Dell™ XPS™ L701X Service Manual

Notes, Cautions, and Warnings

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

October 2010 Rev. A00

Regulatory model: P09E series Regulatory type: P09E001

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TV Antenna Connector

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

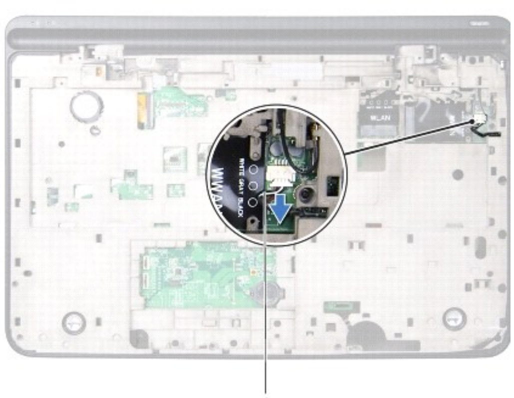
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see [Removing the Battery](#)) before working inside the computer.

Removing the TV Antenna Connector

1. Follow the instructions in [Before You Begin](#).
2. Remove the battery (see [Removing the Battery](#)).
3. Remove the module cover (see [Removing the Module Cover](#)).
4. Remove the memory module(s) (see [Removing the Memory Module(s)](#)).
5. Follow the instructions in [step 5](#) in [Removing the Hard Drive(s)](#).
6. Remove the optical drive (see [Removing the Optical Drive](#)).
7. Remove the palm-rest assembly (see [Removing the Palm-Rest Assembly](#)).
8. Remove the keyboard (see [Removing the Keyboard](#)).
9. Remove the display assembly (see [Removing the Display Assembly](#)).
10. Remove the Mini-Card(s) (see [Removing the Mini-Card(s)](#)).
11. Remove the bluetooth card (see [Removing the Bluetooth Card](#)).
12. Follow the instructions from [step 13](#) to [step 18](#) in [Removing the Top Cover](#).
13. Disconnect the speaker cable from the connector on the I/O board.



1	speaker cable

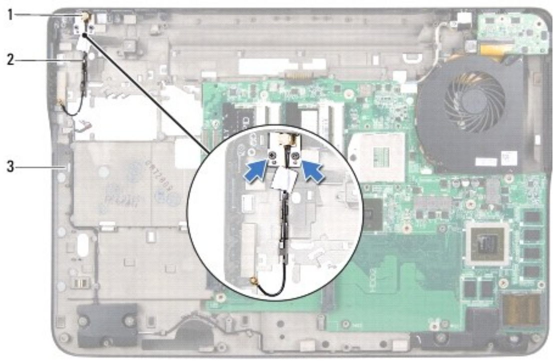
14. Turn the top-cover assembly over.

15. Remove the I/O board (see Removing the I/O Board).

16. Make note of the TV antenna connector cable routing and remove the cable from the routing guides.

17. Remove the two screws that secure the TV antenna connector to the top cover.

18. Carefully ease the TV antenna connector off the slot in the top cover and lift it off the top cover.



1	TV antenna connector	2	TV antenna connector cable
3	top cover		

Replacing the TV Antenna Connector

1. Follow the instructions in Before You Begin.

2. Align the TV antenna connector with the slot on the top cover and place the TV antenna connector on the top cover.

3. Replace the two screws that secure the TV antenna connector to the top cover.

4. Route the TV antenna connector cable through the routing guides.

5. Replace the I/O board (see Replacing the I/O Board).

6. Connect the speaker cable to the connector on the I/O board.

7. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.

8. Replace the bluetooth card (see Replacing the Bluetooth Card).

9. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).

10. Replace the display assembly (see Replacing the Display Assembly).

11. Replace the keyboard (see Replacing the Keyboard).

12. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

13. Replace the optical drive (see Replacing the Optical Drive).

14. Follow the instructions in step 5 in Replacing the Hard Drive(s).

15. Replace the memory module(s) (see Replacing the Memory Module(s)).

16. Replace the module cover (see Replacing the Module Cover).

17. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Audio Video Board

Dell™ Inspiron™ One 2305/2310 Service Manual

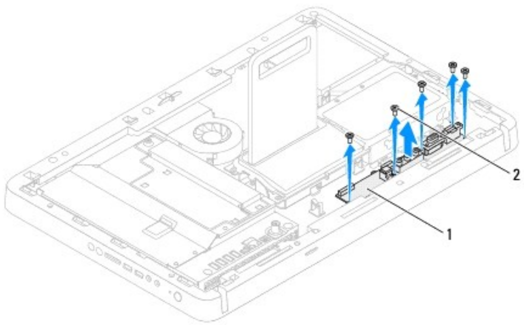
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Audio Video (AV) Board

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the AV board shield (see Removing the Audio Video (AV) Board Shield).
5. Disconnect the AV board cables from the connectors on the AV board.
6. Remove the five screws that secure the AV board to the chassis.
7. Lift the AV board away from the chassis.



1	AV board	2	screws (5)

Replacing the Audio Video (AV) Board

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the AV board with the screw holes on the chassis.
3. Replace the five screws that secure the AV board to the chassis.
4. Connect the AV board cables to the connectors on the AV board.
5. Replace the AV board shield (see Replacing the Audio Video (AV) Board Shield).
6. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.
7. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

8. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Audio Video Board Shield

Dell™ Inspiron™ One 2305/2310 Service Manual

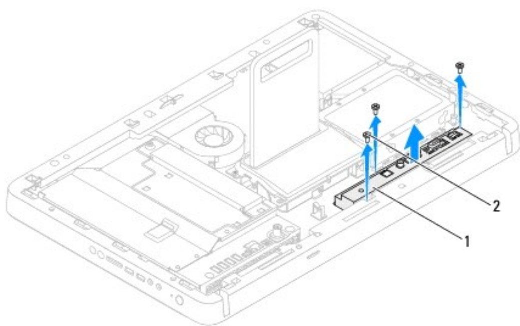
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Audio Video (AV) Board Shield

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the three screws that secure the AV board shield to the chassis.
5. Lift the AV board shield away from the chassis.



1	AV-board shield	2	screws (3)

Replacing the Audio Video (AV) Board Shield

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the AV board shield with the screw holes on the chassis.
3. Replace the three screws that secure the AV board shield to the chassis.
4. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.
5. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

6. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Audio Video Board Cable

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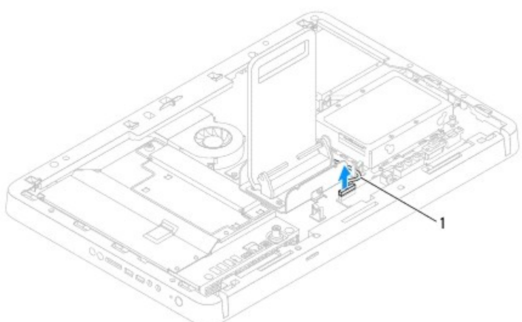
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Audio Video (AV) Board Cable

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the AV board shield (see Removing the Audio Video (AV) Board Shield).
5. Disconnect the AV board cable from the connector on the AV Board.



1	AV board cable

6. Remove the AV board (see Removing the Audio Video (AV) Board).
7. Remove the system board (see Removing the System Board).
8. Remove the display panel (see Removing the Display Panel).
9. Make note of the AV board cable routing and release the cable from the securing tapes.
10. Remove the AV board cable from the routing guide.

Replacing the Audio Video (AV) Board Cable

1. Follow the instructions in Before You Begin.
2. Route the AV board cable through the routing guide and secure it with the tapes.
3. Replace the system board (see Replacing the System Board).
4. Replace the display panel (see Replacing the Display Panel).

5. Replace the AV board (see Replacing the Audio Video (AV) Board).

6. Connect the AV board cable to the connector on the AV board.

7. Replace the AV board shield (see Replacing the Audio Video (AV) Board Shield).

8. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

9. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

10. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Audio Video Button Board

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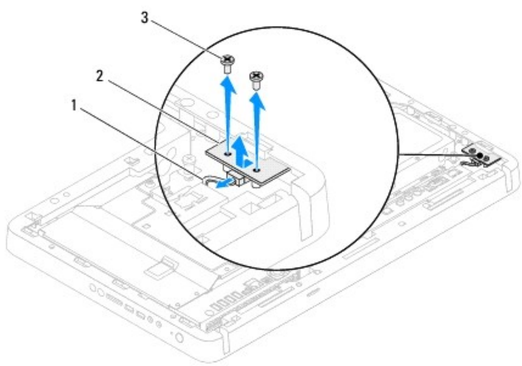
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Audio Video (AV) Button Board

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Disconnect the AV button board cable from the connector on the AV button board.
5. Remove the two screws that secure the AV button board to the chassis.
6. Carefully slide and lift the AV button board away from the computer.



1	AV button board cable	2	AV button board
3	screws (2)		

Replacing the Audio Video (AV) Button Board

1. Follow the instructions in Before You Begin.
2. Gently slide the AV button board into the slot on the middle frame.
3. Align the screw holes on the AV button board with the screw holes on the chassis
4. Replace the two screws that secure the AV button board to the chassis.
5. Connect the AV button board cable to the connector on the AV button board.
6. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

7. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

8. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Back Cover

Dell™ Inspiron™ One 2305/2310 Service Manual

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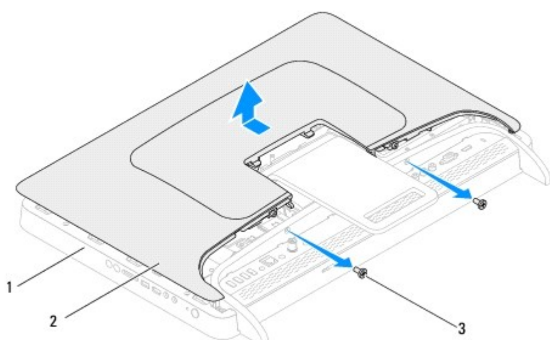
CAUTION: Ensure that sufficient space exists to support the computer with the computer cover removed—at least 30 cm (1 ft.) of desk top space.

Removing the Back Cover

1. Follow the instructions in [Before You Begin].

CAUTION: Before opening your computer, ensure that you place the computer on a soft cloth or clean surface to avoid any scratches on the display.

2. Place the computer face down on a flat surface.
3. Remove the two screws that secure the back cover to the computer.
4. Slide and lift the back cover off the computer.
5. Place the back cover in a secure location.



1	middle frame	2	back cover
3	screws (2)		

Replacing the Back Cover

1. Follow the instructions in [Before You Begin].
2. Align the tabs on the back cover with the slots on the middle frame and then slide the back cover into place.
3. Replace the two screws that secure the back cover to the computer.
4. Place the computer in an upright position.

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

5. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Battery

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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To avoid damage to the computer, use only the battery designed for this particular Dell computer. Do not use batteries designed for other Dell computers.

Removing the Battery

1. Follow the instructions in Before You Begin.
2. Turn the computer over.
3. Slide the battery release latch to the side.
4. Lift the battery up at an angle and remove it from the battery bay.



1	battery	2	battery release latch

Replacing the Battery

CAUTION: To avoid damage to the computer, use only the battery designed for this particular Dell computer.

1. Follow the instructions in Before You Begin.
2. Align the tabs on the battery with the slots in the battery bay and press the battery down until it clicks into place.

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B-CAS Card (Optional)

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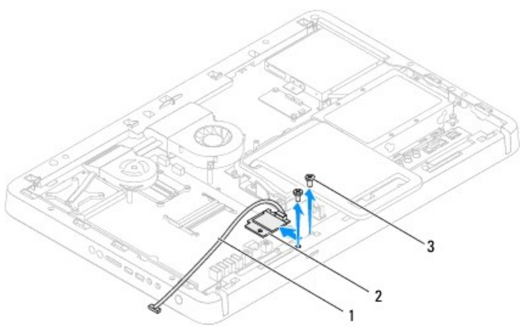
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the B-CAS Card

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the system-board shield (see Removing the System-Board Shield).
5. Remove the two screws that secure the B-CAS card to the chassis.
6. Carefully slide the B-CAS card out of the B-CAS card location.
7. Disconnect the B-CAS-card cable from the connector on the TV tuner card.
8. Lift the B-CAS card away from the computer.



1	B-CAS-card cable	2	B-CAS card
3	screws (2)		

Replacing the B-CAS Card

1. Follow the instructions in Before You Begin.
2. Connect the B-CAS-card cable to the connector on the TV tuner card.
3. Carefully slide the B-CAS card into the B-CAS card location.
4. Align the screw holes on the B-CAS card with the screw holes on the chassis.
5. Replace the two screws that secure the B-CAS card to the chassis.

6. Replace the system-board shield (see Removing the System-Board Shield).

7. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

8. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

9. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Before You Begin

Dell™ XPS™ L701X Service Manual

This manual provides procedures for removing and installing the components in your computer. Unless otherwise noted, each procedure assumes that the following conditions exist:

- You have performed the steps in Turning Off Your Computer and Before Working Inside Your Computer.
- You have read the safety information that shipped with your computer.
- A component can be replaced or—if purchased separately—installed by performing the removal procedure in reverse order.

Recommended Tools

The procedures in this document may require the following tools:

- Small flat-blade screwdriver
- Phillips screwdriver
- Plastic scribe
- BIOS executable update program available at **support.dell.com**

Turning Off Your Computer

CAUTION: To avoid losing data, save and close all open files and exit all open programs before you turn off your computer.

1. Save and close all open files and exit all open programs.
2. To shut down the operating system, click **Start** and then click **Shut Down**.
3. Ensure that the computer is turned off. If your computer did not automatically turn off when you shut down the operating system, press and hold the power button until the computer turns off.

Before Working Inside Your Computer

Use the following safety guidelines to help protect your computer from potential damage and to help to ensure your own personal safety.

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: Handle components and cards with care. Do not touch the components or contacts on a card. Hold a card by its edges or by its metal mounting bracket. Hold a component such as a processor by its edges, not by its pins.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: When you disconnect a cable, pull on its connector or on its pull-tab, not on the cable itself. Some cables have connectors with locking tabs; if you are disconnecting this type of cable, press in on the locking tabs before you disconnect the cable. As you pull connectors apart, keep them evenly aligned to avoid bending any connector pins. Also, before you connect a cable, ensure that both connectors are correctly oriented and aligned.

CAUTION: To avoid damaging the computer, perform the following steps before you begin working inside the computer.

1. Ensure that the work surface is flat and clean to prevent the computer cover from being scratched.
2. Turn off your computer (see Turning Off Your Computer) and all attached devices.

CAUTION: To disconnect a network cable, first unplug the cable from your computer and then unplug the cable from the network device.

3. Disconnect all telephone or network cables from the computer.

4. Press and eject any installed cards from the Media Card Reader.

5. Disconnect your computer and all attached devices from their electrical outlets.

6. Disconnect all attached devices from your computer.

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

7. Remove the battery (see Removing the Battery).

8. Turn the computer top-side up, open the display, and press the power button to ground the system board.

CAUTION: Before touching anything inside your computer, ground yourself by touching an unpainted metal surface, such as the metal at the back of the computer. While you work, periodically touch an unpainted metal surface to dissipate static electricity, which could harm internal components.

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Flashing the BIOS

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The BIOS may require flashing when an update is available or when replacing the system board. To flash the BIOS:

1. Turn on the computer.
2. Go to **support.dell.com/support/downloads**.
3. Locate the BIOS update file for your computer:

   NOTE: The Service Tag for your computer is located on a label at the bottom of your computer.

   If you have your computer's Service Tag:

   a. Click **Enter a Tag**.

   b. Enter your computer's Service Tag in the **Enter a service tag:** field, click **Go**, and proceed to step 4.

   If you do not have your computer's Service Tag:

   a. Click **Select Model.**

   b. Select the type of product in the **Select Your Product Family** list.

   c. Select the product brand in the **Select Your Product Line** list.

   d. Select the product model number in the **Select Your Product Model** list.

   NOTE: If you have selected a different model and want to start over again, click **Start Over** on the top right of the menu.

   e. Click **Confirm**.

4. A list of results appear on the screen. Click **BIOS**.
5. Click **Download Now** to download the latest BIOS file.
   The **File Download** window appears.
6. Click **Save** to save the file on your desktop. The file downloads to your desktop.
7. Click **Close** if the **Download Complete** window appears.
   The file icon appears on your desktop and is titled the same as the downloaded BIOS update file.
8. Double-click the file icon on the desktop and follow the instructions on the screen.

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Internal Card With Bluetooth® Wireless Technology

Dell™ XPS™ L701X Service Manual

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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Bluetooth Card

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Disconnect the Bluetooth-card cable from the system-board connector.
9. Lift the Bluetooth card along with the cable off the computer base.



1	Bluetooth-card cable	2	Bluetooth card

Replacing the Bluetooth Card

1. Follow the instructions in Before You Begin.
2. Slide the Bluetooth card into the slot on the computer base and secure it in place.

3. Connect the Bluetooth-card cable to the system-board connector.

4. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

5. Replace the optical drive (see Replacing the Optical Drive).

6. Follow the instructions in step 5 in Replacing the Hard Drive(s).

7. Replace the memory module(s) (see Replacing the Memory Module(s)).

8. Replace the module cover (see Replacing the Module Cover).

9. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Internal Card With Bluetooth® Wireless Technology

Dell™ Inspiron™ One 2305/2310 Service Manual

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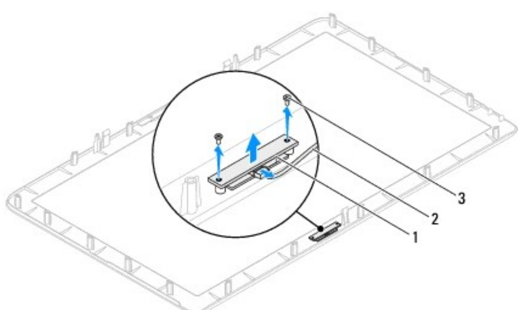
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

If you ordered a card with Bluetooth wireless technology with your computer, it is already installed.

Removing the Bluetooth Card

1. Follow the instructions in [Before You Begin](#).
2. Remove the system board (see [Removing the System Board](#)).
3. Follow the instructions from [step 5](#) to [step 11](#) in [Removing the Display Bezel](#).
4. Turn the display bezel over.
5. Remove the mylar sleeve from the Bluetooth card.
6. Remove the two screws that secure the Bluetooth card to the display bezel.
7. Disconnect the Bluetooth-card cable from the connector on the Bluetooth card.
8. Lift the Bluetooth card away from the display bezel.



1	Bluetooth card	2	Bluetooth-card cable
3	screws (2)		

Replacing the Bluetooth Card

1. Follow the instructions in [Before You Begin](#).
2. Connect the Bluetooth-card cable to the connector on the Bluetooth card.
3. Align the screw holes on the Bluetooth card with the screw holes on the display bezel.
4. Replace the two screws that secure the Bluetooth card to the display bezel.

5. Turn the display bezel over.

6. Follow the instructions from step 2 to step 12 in Replacing the Display Bezel.

7. Replace the system board (See Replacing the System Board).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

8. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Camera Module

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- Removing the Camera Module
- Replacing the Camera Module

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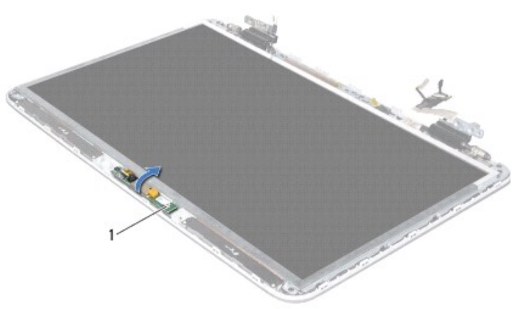
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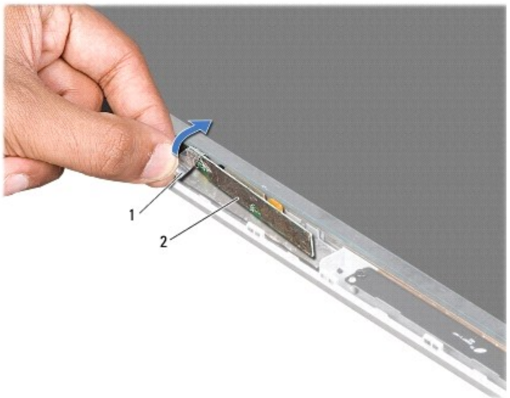
Removing the Camera Module

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the display bezel (see Removing the Display Bezel).
11. Carefully lift the camera module off the display back cover.



1	camera module

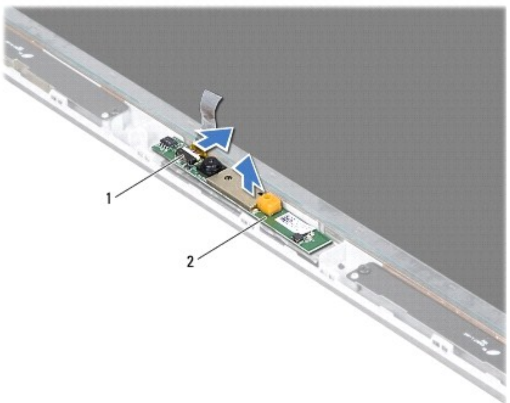
12. Gently peel the tape that secures the camera cable to the camera module.



1	tape	2	camera module

13. Pull the pull-tab to disconnect the camera cable from the connector on the camera module.

14. Lift the camera module off the display back cover.



1	camera-cable connector	2	camera module

Replacing the Camera Module

1. Follow the instructions in Before You Begin.
2. Connect the camera cable to the connector on the camera module.
3. Adhere the tape that secures the camera cable to the camera module.
4. Use the alignment posts to place the camera module on the display back cover.
5. Replace the display bezel (see Replacing the Display Bezel).
6. Replace the display assembly (see Replacing the Display Assembly).
7. Replace the keyboard (see Replacing the Keyboard).
8. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

9. Replace the optical drive (see Replacing the Optical Drive).

10. Follow the instructions in step 5 in Replacing the Hard Drive(s).

11. Replace the memory module(s) (see Replacing the Memory Module(s)).

12. Replace the module cover (see Replacing the Module Cover).

13. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Wireless Mini-Card(s)

Dell™ Inspiron™ One 2305/2310 Service Manual

- [Removing the Mini-Card(s)](#)
- [Replacing the Mini-Card(s)](#)

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: When the Mini-Card is not in the computer, store it in protective antistatic packaging (see "Protecting Against Electrostatic Discharge" in the safety instructions that shipped with your computer).

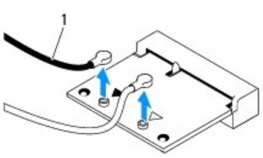
NOTE: Dell does not guarantee compatibility or provide support for Mini-Cards from sources other than Dell.

If you ordered a wireless Mini-Card with your computer, the card is already installed.

Your computer supports two half Mini-Card slots for Wireless Local Area Network (WLAN) and a TV tuner module.

Removing the Mini-Card(s)

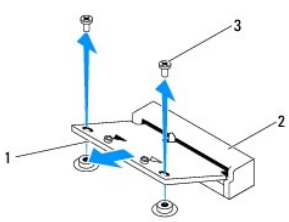
1. Follow the instructions in [Before You Begin](#).
2. Remove the back cover (see [Removing the Back Cover](#)).
3. Follow the instructions from [step 2](#) to [step 5](#) in [Removing the Front Stand](#).
4. Remove the system-board shield (see [Removing the System-Board Shield](#)).
5. Disconnect the antenna cable(s) from the Mini-Card.



1	antenna cables (2)

6. Remove the two screws that secure the Mini-Card to the system-board connector.
7. Lift the Mini-Card away from the system-board connector.

CAUTION: When the Mini-Card is not in the computer, store it in protective antistatic packaging (see "Protecting Against Electrostatic Discharge" in the safety instructions that shipped with your computer).



1	Mini-Card	2	system board connector
3	screws (2)		

Replacing the Mini-Card(s)

CAUTION: The connectors are keyed to ensure correct insertion. Use of excessive force may damage the connectors.

CAUTION: To avoid damage to the Mini-Card, ensure that there are no cables or antenna cables under the Mini-Card.

1. Follow the instructions in Before You Begin.

2. Align the notch on the Mini-Card with the tab in the system-board connector.

3. Insert the Mini-Card at a 45-degree angle into the system-board connector.

4. Press the other end of the Mini-Card down and replace the two screws that secure the Mini-Card to the system-board connector.

5. Connect the appropriate antenna cable(s) to the Mini-Card you are installing. The following table provides the antenna cable color scheme for the Mini-Card(s) supported by your computer.

Connectors on the Mini-Card	Antenna Cable Color Scheme
WLAN (2 antenna cables)	
Main WLAN (white triangle)	white
Auxiliary WLAN (black triangle)	black
TV tuner (1 antenna cable)	black

6. Replace the system-board shield (see Replacing the System-Board Shield).

7. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

8. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

9. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Coin-Cell Battery

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

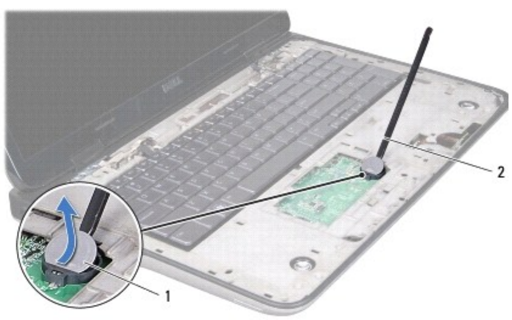
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Coin-Cell Battery

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Using a plastic scribe, gently pry the coin-cell out of the battery socket on the system board.



1	coin-cell battery	2	plastic scribe

Replacing the Coin-Cell Battery

1. Follow the instructions in Before You Begin.
2. With the positive side facing up, snap the coin-cell battery into the battery socket on the system board.
3. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
4. Replace the optical drive (see Replacing the Optical Drive).

5. Follow the instructions in step 5 in Replacing the Hard Drive(s).

6. Replace the memory module(s) (see Replacing the Memory Module(s)).

7. Replace the module cover (see Replacing the Module Cover).

8. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Coin-Cell Battery

Dell™ Inspiron™ One 2305/2310 Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: A new battery can explode if it is incorrectly installed. Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

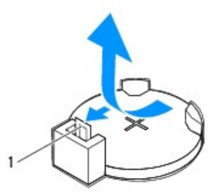
CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Coin-Cell Battery

1. Record all the screens in system setup utility (see System Setup Utility) so that you can restore the correct settings in step 7.
2. Follow the instructions in Before You Begin.
3. Remove the back cover (see Removing the Back Cover).
4. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
5. Remove the system-board shield (see Removing the System-Board Shield).
6. Locate the battery socket (see System Board Components).

CAUTION: If you pry the battery out of its socket with a blunt object, be careful not to touch the system board with the object. Ensure that the object is inserted between the battery and the socket before you attempt to pry out the battery. Otherwise, you may damage the system board by prying off the socket or by breaking circuit traces on the system board.

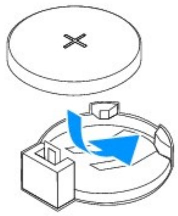
7. Press the battery release lever to remove the battery.



1	battery release lever

Replacing the Coin-Cell Battery

1. Follow the instructions in Before You Begin.
2. Insert the new battery (CR2032) into the socket with the side labeled "+" facing up, and press the battery into place.



3. Replace the system-board shield (see Replacing the System-Board Shield).

4. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

5. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

6. Connect your computer and devices to electrical outlets, and then turn them on.

7. Enter the system setup utility (see System Setup Utility) and restore the settings you recorded in step 1.

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USB Board

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the USB Board

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Turn the top-cover assembly over.
14. Lift the connector latch and disconnect the USB-board cable from the connector on the USB board.
15. Remove the screw that secures the USB board to the top cover.
16. Carefully ease the connectors on the USB board out of the slots in the top cover, and lift the USB board off the top cover.



1	screw	2	USB board
3	USB-board cable connector		

Replacing the USB Board

1. Follow the instructions in Before You Begin.

2. Align the connectors on the USB board with the slots on the top cover and place the USB board on the top cover.

3. Replace the screw that secures the USB board to the top cover.

4. Slide the USB-board cable into the connector on the USB board and press the connector latch down to secure the cable.

5. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.

6. Replace the bluetooth card (see Replacing the Bluetooth Card).

7. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).

8. Replace the display assembly (see Replacing the Display Assembly).

9. Replace the keyboard (see Replacing the Keyboard).

10. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

11. Replace the optical drive (see Replacing the Optical Drive).

12. Follow the instructions in step 5 in Replacing the Hard Drive(s).

13. Replace the memory module(s) (see Replacing the Memory Module(s)).

14. Replace the module cover (see Replacing the Module Cover).

15. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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AC-Adapter Connector

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

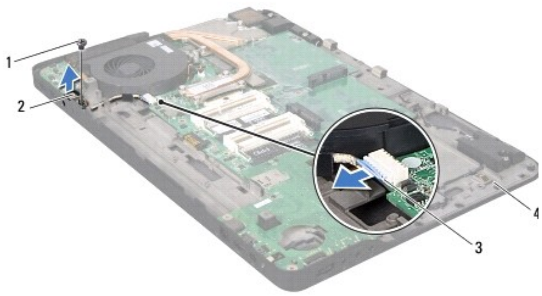
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the AC-Adapter Connector

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Turn the top-cover assembly over.
14. Make note of the AC-adapter connector cable routing and remove the cable from the routing guides.
15. Disconnect the AC-adapter connector cable from the system-board connector.
16. Remove the screw that secures the AC-adapter connector to the top cover.
17. Lift the AC-adapter connector off the top cover.



1	screw	2	AC-adapter connector
3	AC-adapter connector cable	4	top cover

Replacing the AC-Adapter Connector

1. Follow the instructions in Before You Begin.
2. Align the screw hole on the AC-adapter connector with the screw hole on the top cover.
3. Replace the screw that secures the AC-adapter connector to the top cover.
4. Route the AC-adapter connector cable through the routing guides.
5. Connect the AC-adapter connector cable to the system-board connector.
6. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.
7. Replace the bluetooth card (see Replacing the Bluetooth Card).
8. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).
9. Replace the display assembly (see Replacing the Display Assembly).
10. Replace the keyboard (see Replacing the Keyboard).
11. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
12. Replace the optical drive (see Replacing the Optical Drive).
13. Follow the instructions in step 5 in Replacing the Hard Drive(s).
14. Replace the memory module(s) (see Replacing the Memory Module(s)).
15. Replace the module cover (see Replacing the Module Cover).
16. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Display

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

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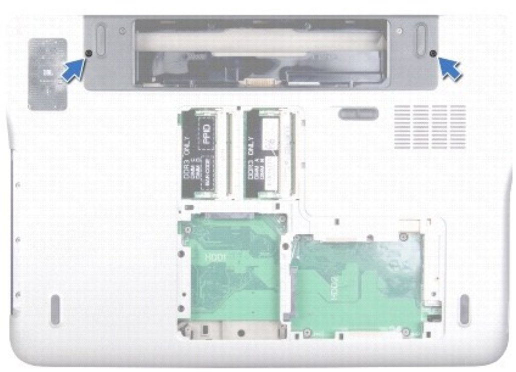
CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Display Assembly

Removing the Display Assembly

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the two screws that secure the display assembly to the base cover.



7. Remove the optical drive (see Removing the Optical Drive).
8. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
9. Disconnect the antenna cables from the Mini-Card(s).

CAUTION: Be extremely careful when opening the display to prevent damaging the display assembly.

10. Turn the computer over and open the display as far as possible.

11. Note the routing of the Mini-Card antenna cables and remove the cables from the routing guides.

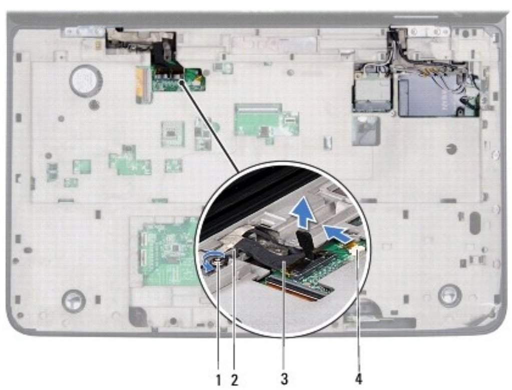
12. Remove the keyboard (see Removing the Keyboard).

13. Pull the pull-tab to disconnect the touch-screen cable from the system-board connector.

14. Remove the screw that secures the display grounding cable to the top cover.

15. Pull the pull-tab to disconnect the display cable from the system-board connector.

16. Note the routing of the display cable and remove the cable from the routing guides.



1	screw	2	display grounding cable
3	display cable	4	touch-screen cable connector

17. Remove the four screws that secure the display assembly to the top cover.

18. Lift the display assembly off the computer base.



1	display assembly	2	screws (4)
3	top cover		

Replacing the Display Assembly

1. Follow the instructions in Before You Begin.

2. Place the display assembly in position and replace the four screws that secure the display assembly to the top cover.

3. Route the display cable through the routing guides.

4. Connect the display cable to the system-board connector.

5. Replace the screw that secures the display grounding cable to the top cover.

6. Connect the touch screen cable to the system-board connector.

7. Route the Mini-Card antenna cables through the routing guides.

8. Connect the appropriate antenna cables to the Mini-Cards(s) on your computer (see Replacing the Mini-Card(s)).

9. Replace the keyboard (see Replacing the Keyboard).

10. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

11. Replace the optical drive (see Replacing the Optical Drive).

12. Replace the two screws that secure the display assembly to the base cover.

13. Follow the instructions in step 5 in Replacing the Hard Drive(s).

14. Replace the memory module(s) (see Replacing the Memory Module(s)).

15. Replace the module cover (see Replacing the Module Cover).

16. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

Display Bezel

Removing the Display Bezel

CAUTION: The display bezel is extremely fragile. Be careful when removing it to prevent damaging the bezel.

1. Follow the instructions in Before You Begin.

2. Remove the display assembly (see Removing the Display Assembly).

3. Push the display bezel outwards to release it from the tabs that secure the display bezel to the back cover.

4. Using your fingertips gently pry the outside edge of the display bezel off the back cover.

5. Lift the display bezel off the display assembly.



1	display bezel

Replacing the Display Bezel

1. Follow the instructions in Before You Begin.

2. Align the display bezel with the display back cover, and gently snap it into place.

3. Replace the display assembly (see Replacing the Display Assembly).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

Display Panel

Removing the Display Panel

1. Follow the instructions in Before You Begin.

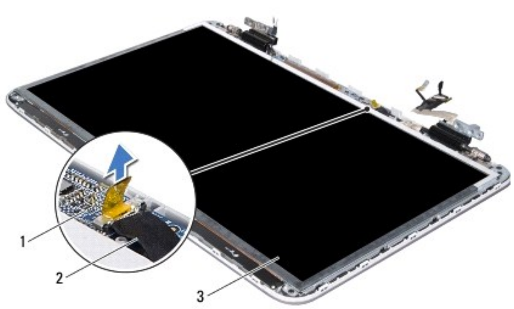
2. Remove the display assembly (see Removing the Display Assembly).

3. Remove the display bezel (see Removing the Display Bezel).

4. Remove the camera module (see Removing the Camera Module).

NOTE: The touch screen board is optional and may not be present in your computer.

5. Pull the pull-tab to disconnect the touch-screen board cable from the connector on the touch-screen board.



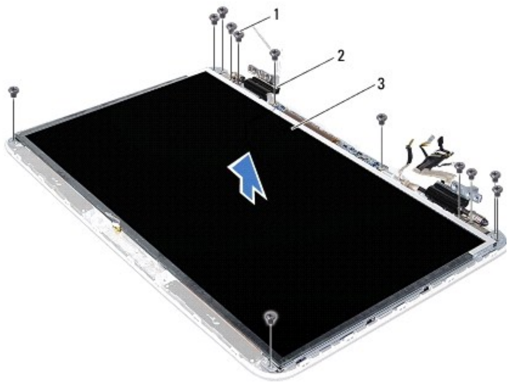
1	touch-screen board	2	touch-screen board cable
3	display panel		

6. Remove the 12 screws that secure the display panel to the display back cover.

7. Note the routing of the antenna cables and remove them from the routing guide on the right display hinge.

8. Note the routing of the display cable and remove it from the routing guide on the left display hinge.

9. Lift the display panel off the display back cover.



1	screws (12)	2	hinges (2)
3	display panel		

Replacing the Display Panel

1. Follow the instructions in Before You Begin.
2. Place the display panel over the display back cover.
3. Route the display cable through the routing guide on the left display hinge.
4. Route the antenna cables through the routing guide on the right display hinge.
5. Use the alignment posts to place the touch-screen board on the display back cover.
6. Connect the touch-screen board cable to the connector on the touch-screen board.
7. Replace the 12 screws that secure the display panel to the display back cover.
8. Replace the camera module (see Replacing the Camera Module).
9. Replace the display bezel (see Replacing the Display Bezel).
10. Replace the display assembly (see Replacing the Display Assembly).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

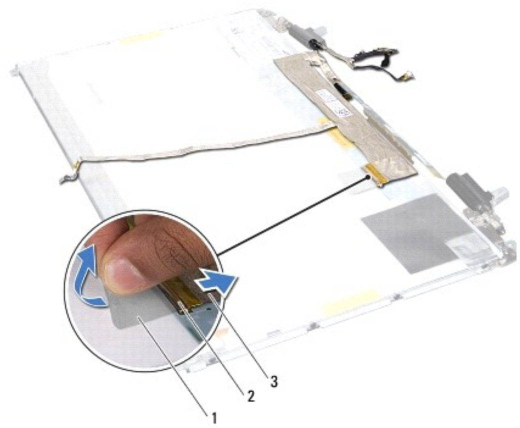
Display Cable

Removing the Display Cable

1. Follow the instructions in Before You Begin.
2. Remove the display assembly (see Removing the Display Assembly).
3. Remove the display bezel (see Removing the Display Bezel).
4. Remove the camera module (Removing the Camera Module).
5. Remove the display panel (see Removing the Display Panel).

6. Turn the display panel over and place it on a clean surface.

7. Pull the pull-tab to disconnect the display cable from the connector on the display panel.



1	pull tab	2	display-cable connector
3	display cable		

8. Gently peel off the display cable from the display panel.

Replacing the Display Cable

1. Follow the instructions in Before You Begin.

2. Adhere the display cable along the edge of the display panel.

3. Connect the display cable to the connector on the display panel.

4. Replace the display panel (see Replacing the Display Panel).

5. Replace the camera module (see Replacing the Camera Module).

6. Replace the display bezel (see Replacing the Display Bezel).

7. Replace the display assembly (Replacing the Display Assembly).

Display-Panel Brackets

Removing the Display-Panel Brackets

1. Follow the instructions in Before You Begin.

2. Remove the display assembly (see Removing the Display Assembly).

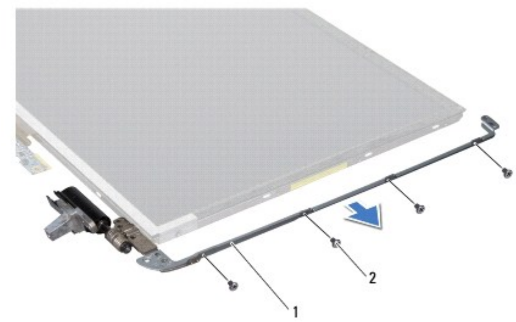
3. Remove the display bezel (see Removing the Display Bezel).

4. Remove the camera module (Removing the Camera Module).

5. Remove the display panel (see Removing the Display Panel).

6. Remove the eight screws (four on each side) that secure the display-panel brackets to the display panel.

7. Remove the display-panel brackets off the display panel.



1	display panel brackets (2)	2	screws (8)

Replacing the Display-Panel Brackets

1. Follow the instructions in Before You Begin.
2. Place the display-panel brackets in position.
3. Replace the eight screws (four on each side) that secure the display-panel brackets to the display panel.
4. Replace the display panel (see Replacing the Display Panel).
5. Replace the camera module (see Replacing the Camera Module).
6. Replace the display bezel (see Replacing the Display Bezel).
7. Replace the display assembly (Replacing the Display Assembly).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Display Bezel

Dell™ Inspiron™ One 2305/2310 Service Manual

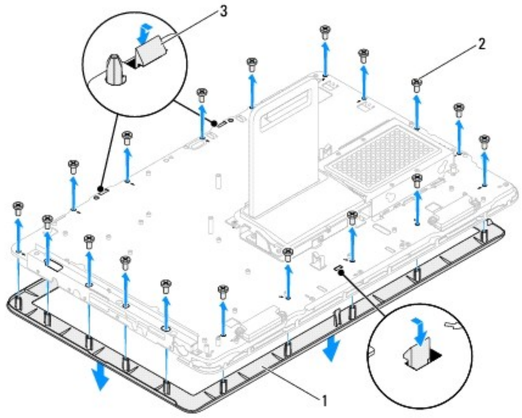
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Display Bezel

1. Follow the instructions in Before You Begin.
2. Remove the AV board (See Removing the Audio Video (AV) Board).
3. Remove the middle frame (See Removing the Middle Frame).
4. Remove the system board (See Removing the System Board).
5. Remove the 18 screws that secure the display bezel to the chassis.
6. Carefully peel the silver foil that connects the camera module to the chassis from the chassis.
7. Make a note of the camera cable, infrared card cable, and Bluetooth card cable routing and release the cables through the slots on the chassis.
8. Release the three tabs that secure the display bezel to the chassis.
9. Turn the computer over.
10. Using your fingertips, carefully pry up the inside edge of the display bezel.
11. Lift the display bezel away from the computer.
12. Remove the camera (See Removing the Camera Module).
13. Remove the infrared card (See Removing the Infrared Card).
14. Remove the Bluetooth card (See Removing the Bluetooth Card).



1	display bezel	2	screws (18)
3	tabs (3)		

Replacing the Display Bezel

1. Follow the instructions in Before You Begin.
2. Replace the Bluetooth card (See Replacing the Bluetooth Card).
3. Replace the infrared card (See Replacing the Infrared Card).
4. Replace the camera (See Replacing the Camera Module).
5. Slide the camera cable, infrared cable, and Bluetooth cable through the slots on the chassis.
6. Align the display bezel over the display and gently snap the display bezel into place.
7. Turn the computer over.
8. Ensure that the three tabs on the display bezel are secured to the slots on the chassis.
9. Route the camera cable, infrared cable, and Bluetooth card cable through the routing guides.
10. Secure the silver foil that connects the camera module to the chassis.
11. Replace the 18 screws that secure the display bezel to the chassis.
12. Replace the middle frame (See Replacing the Display Bezel).
13. Replace the system board (See Replacing the System Board).
14. Replace the AV board (See Replacing the Audio Video (AV) Board).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

15. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Touch Screen Control Card (Optional)

Dell™ Inspiron™ One 2305/2310 Service Manual

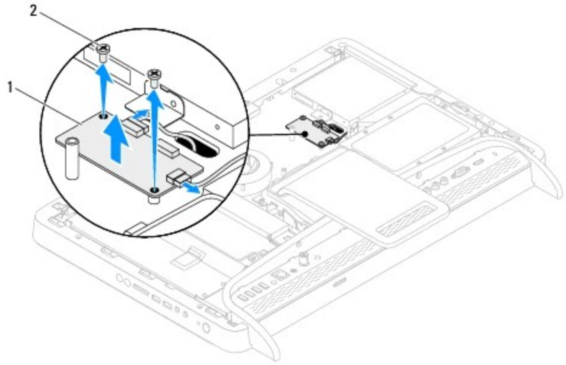
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Touch Screen Control Card

1. Follow the instructions in [Before You Begin](#).
2. Remove the back cover (see [Removing the Back Cover](#)).
3. Remove the two screws that secure the touch screen control card to the chassis.
4. Disconnect the cables from the connectors on the touch screen control card.
5. Lift the touch screen control card away from the chassis.



1	touch screen control card	2	screws (2)

Replacing the Touch Screen Control Card

1. Follow the instructions in [Before You Begin](#).
2. Align the screw holes on the touch screen control card with the screw holes on the chassis.
3. Replace the two screws that secure the touch screen control card to the chassis.
4. Connect the cables to the connectors on the touch screen control card.
5. Replace the back cover (see [Replacing the Back Cover](#)).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

6. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Fan

Dell™ XPS™ L701X Service Manual

- Removing the Fan
- Replacing the Fan

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: If you remove the fan from the computer when the heat sink is hot, do not touch the metal housing of the heat sink.

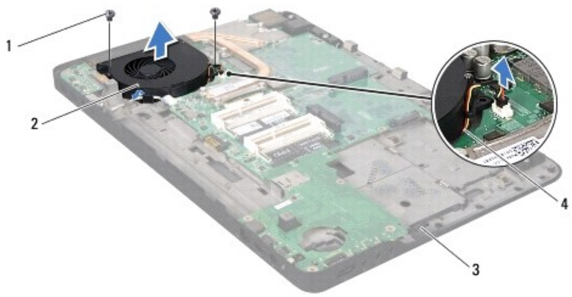
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Fan

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Turn the top-cover assembly over.
14. Disconnect the fan cable from the system-board connector.
15. Remove the two screws that secure the fan to the top cover.
16. Disconnect the AC-adapter connector cable from the system-board connector.
17. Move the AC-adapter cable away from the fan.
18. Lift the fan away from the top cover.



1	screws (2)	2	fan
3	top cover	4	fan cable

Replacing the Fan

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the fan with the screw holes on the top cover.
3. Replace the two screws that secure the fan to the top cover.
4. Connect the fan cable to the system-board connector.
5. Connect the AC-adapter connector cable to the system-board connector.
6. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.
7. Replace the bluetooth card (see Replacing the Bluetooth Card).
8. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).
9. Replace the display assembly (see Replacing the Display Assembly).
10. Replace the keyboard (see Replacing the Keyboard).
11. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
12. Replace the optical drive (see Replacing the Optical Drive).
13. Follow the instructions in step 5 in Replacing the Hard Drive(s).
14. Replace the memory module(s) (see Replacing the Memory Module(s)).
15. Replace the module cover (see Replacing the Module Cover).
16. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Front Stand

Dell™ Inspiron™ One 2305/2310 Service Manual

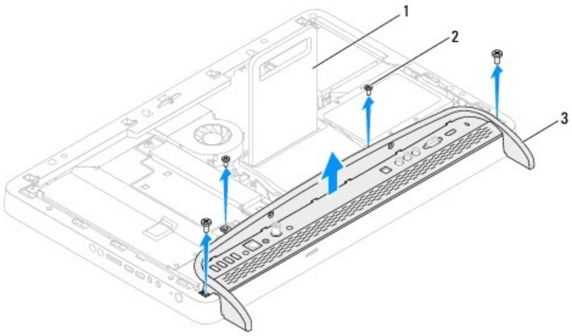
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

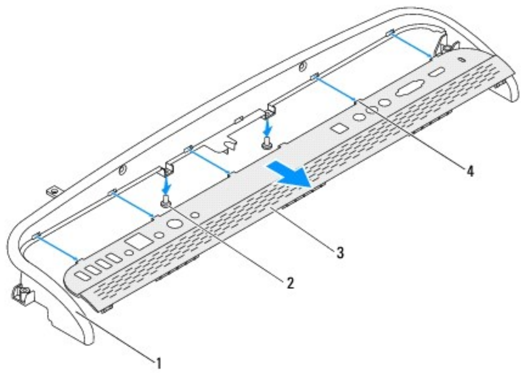
Removing the Front Stand

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Remove the four screws that secure the front-stand assembly to the computer.
4. Lift the rear stand so that the front stand is accessible.
5. Lift the front-stand assembly away from the computer.



1	rear stand	2	screws (4)
3	front-stand assembly		

6. Remove the two screws that secure the I/O bracket to the front stand.
7. Release the five tabs that secure the I/O bracket to the front stand.
8. Remove the I/O bracket from the front stand.



1	front stand	2	screws (2)
3	I/O bracket	4	tabs (5)

Replacing the Front Stand

1. Follow the instructions in Before You Begin.
2. Slide the five tabs on the I/O bracket into the slots on the front stand.
3. Replace the two screws that secure the I/O bracket to the front stand.
4. Align the screw holes on the front-stand assembly with the screw holes on the computer.
5. Replace the four screws that secure the front-stand assembly to the computer.
6. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

7. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Hard Drive(s)

Dell™ XPS™ L701X Service Manual

- [Removing the Hard Drive(s)](#)
- [Replacing the Hard Drive(s)](#)

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: If you remove the hard drive from the computer when the drive is hot, do not touch the metal housing of the hard drive.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see [Removing the Battery](#)) before working inside the computer.

CAUTION: To prevent data loss, turn off your computer (see [Turning Off Your Computer](#)) before removing the hard drive. Do not remove the hard drive while the computer is On or in Sleep state.

CAUTION: Hard drives are extremely fragile. Exercise care when handling the hard drive.

NOTE: Dell does not guarantee compatibility or provide support for hard drives from sources other than Dell.

NOTE: If you are installing a hard drive from a source other than Dell, you need to install an operating system, drivers, and utilities on the new hard drive.

Removing the Hard Drive(s)

1. Follow the instructions in [Before You Begin](#).
2. Remove the battery (see [Removing the Battery](#)).
3. Remove the module cover (see [Removing the Module Cover](#)).
4. Remove the memory module(s) (see [Removing the Memory Module(s)](#)).
5. Remove hard drive 1 and/or hard drive 2 from the computer base:
   - Remove the four screws that secure the hard-drive assembly to the computer base.
   - Using the pull-tab, slide the hard-drive assembly to disconnect it from the connector on the system board.
   - Lift the hard-drive assembly out of the computer base.

Hard drive 1



1	pull-tab	2	hard-drive assembly
3	screws (4)		

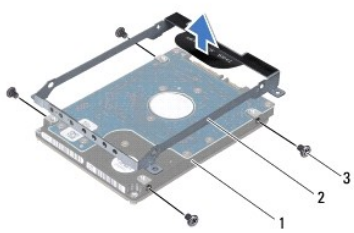
Hard drive 2



1	pull-tab	2	hard-drive assembly
3	screws (4)		

6. Remove the four screws that secure the hard-drive bracket to the hard drive.

7. Lift the hard-drive bracket off the hard drive.



1	hard drive	2	hard-drive bracket
3	screws (4)		

Replacing the Hard Drive(s)

1. Follow the instructions in Before You Begin.

2. Remove the new hard drive from its packaging.

   Save the original packaging for storing or shipping the hard drive.

3. Place the hard-drive bracket on the hard drive.

4. Replace the four screws that secure the hard-drive bracket to the hard drive.

5. Replace hard drive 1 and/or hard drive 2 in the computer base:

   - Place the hard-drive assembly in the computer base.
   - Using the pull-tab, slide the hard-drive assembly into the connector on the system board.
   - Replace the four screws that secure the hard-drive assembly to the computer base.

6. Replace the memory module(s) (see Replacing the Memory Module(s)).

7. Replace the module cover (see Replacing the Module Cover).

8. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Heat Sink

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: If you remove the heat sink from the computer when the heat sink is hot, do not touch the metal housing of the heat sink.

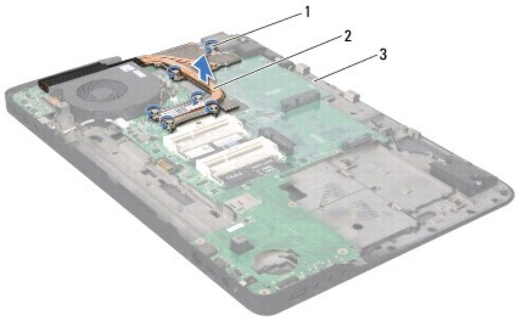
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Heat Sink

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Turn the top-cover assembly over.
14. In sequential order (indicated on the heat sink), loosen the six captive screws that secure the heat sink to the system board.
15. Lift the heat sink away from the top cover.



1	captive screws (6)	2	heat sink
3	top cover		

Replacing the Heat Sink

NOTE: The original thermal grease can be reused if the original processor and heat sink are reinstalled together. If either the processor or the heat sink is replaced, use the thermal pad provided in the kit to ensure that thermal conductivity is achieved.

1. Follow the instructions in Before You Begin.
2. Clean the thermal grease from the bottom of the heat sink and reapply it.
3. Align the six captive screws on the heat sink with the screw holes on the system board and tighten the screws in sequential order (indicated on the heat sink).
4. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.
5. Replace the bluetooth card (see Replacing the Bluetooth Card).
6. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).
7. Replace the display assembly (see Replacing the Display Assembly).
8. Replace the keyboard (see Replacing the Keyboard).
9. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
10. Replace the optical drive (see Replacing the Optical Drive).
11. Follow the instructions in step 5 in Replacing the Hard Drive(s).
12. Replace the memory module(s) (see Replacing the Memory Module(s)).
13. Replace the module cover (see Replacing the Module Cover).
14. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Processor Heat-Sink

Dell™ Inspiron™ One 2305/2310 Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: The heat sink may be very hot during normal operation. Ensure that it has had sufficient time to cool before you touch it.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

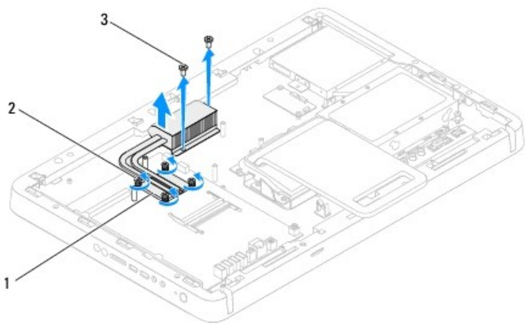
CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Processor Heat Sink

CAUTION: To ensure maximum cooling for the processor, do not touch the heat transfer areas on the processor heat-sink. The oils in your skin can reduce the heat transfer capability of the thermal grease.

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the system-board shield (see Removing the System-Board Shield).
5. Remove the MXM-assembly fan (see Removing the MXM-Assembly Fan).
6. Remove the MXM assembly (see Removing the MXM Assembly).
7. Remove the processor heat-sink fan (see Removing the Processor Heat-Sink Fan).
8. Remove the two screws that secure the processor heat sink to the chassis.
9. In sequential order (indicated on the processor heat sink), loosen the four captive screws that secure the processor heat sink to the system board.
10. Carefully lift the processor heat sink away from the computer.

NOTE: The appearance of the processor heat sink may vary based on your computer model.



1	processor heat sink	2	captive screws (4)
3	screws (2)		

Replacing the Processor Heat Sink

CAUTION: Incorrect alignment of the processor heat sink can cause damage to the system board and processor.

NOTE: The original thermal grease can be reused if the original processor and processor heat sink are reinstalled together. If either the processor or the processor heat sink is replaced, use the thermal grease provided in the kit to ensure that thermal conductivity is achieved.

1. Follow the instructions in Before You Begin.
2. Clean the thermal grease from the bottom of the processor heat sink and reapply it.
3. Align the four captive screws on the processor heat-sink with the screw holes on the system board and tighten the screws in sequential order (indicated on the processor heat sink).
4. Replace the two screws that secure the processor heat-sink to the chassis.
5. Replace the processor heat-sink fan (see Replacing the Processor Heat-Sink Fan).
6. Replace the MXM assembly (see Replacing the MXM Assembly).
7. Replace the MXM-assembly fan (see Replacing the MXM-Assembly Fan).
8. Replace the system-board shield (see Replacing the System-Board Shield).
9. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.
10. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

11. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Processor Heat-Sink Fan

Dell™ Inspiron™ One 2305/2310 Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: The heat sink may be very hot during normal operation. Ensure that it has had sufficient time to cool before you touch it.

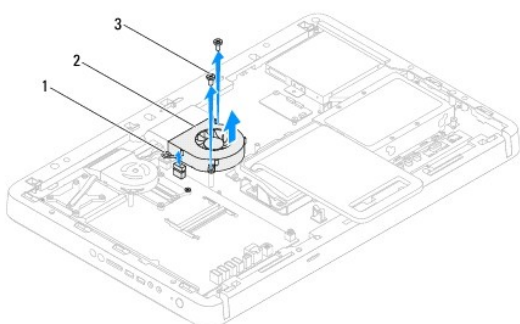
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Processor Heat-Sink Fan

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the system-board shield (see Removing the System-Board Shield).
5. Disconnect the processor heat-sink fan cable from the connector (CPU FAN) on the system board.
6. Remove the two screws that secure the processor heat-sink fan to the chassis.
7. Carefully peel the silver foil from the processor heat sink.
8. Lift the processor heat-sink fan along with its cable away from the chassis.

NOTE: The appearance of the system board may vary based on your computer model.



1	processor heat-sink fan cable	2	processor heat-sink fan
3	screws (2)		

Replacing the Processor Heat-Sink Fan

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the processor heat-sink fan with the screw holes on the hex nut screws.
3. Replace the two screws that secure the processor heat-sink fan to the chassis.

4. Adhere the silver foil on the processor heat-sink.

5. Connect the processor heat-sink fan cable to the connector (CPU FAN) on the system board.

6. Replace the system-board shield (see Replacing the System-Board Shield).

7. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

8. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

9. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Converter Card

Dell™ Inspiron™ One 2305/2310 Service Manual

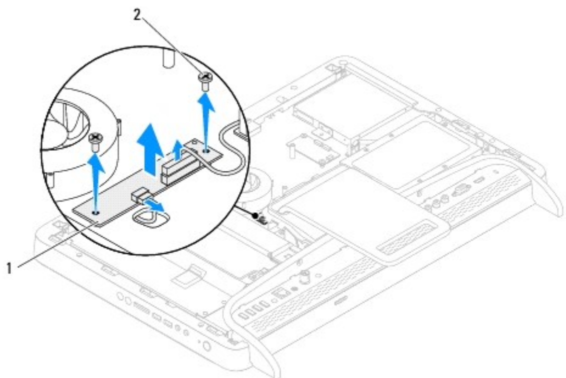
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Converter Card

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Remove the two screws that secure the converter card to the chassis
4. Disconnect the cables from the connectors on the converter card.
5. Lift the converter card away from the chassis.



1	converter card	2	screws (2)

Replacing the Converter Card

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the converter card with the screw holes on the chassis.
3. Connect the cables to the connectors on the converter card.
4. Replace the two screws that secure the converter card to the chassis.
5. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

6. Connect your computer and all attached devices to electrical outlets, and turn them on.

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I/O Board

Dell™ XPS™ L701X Service Manual

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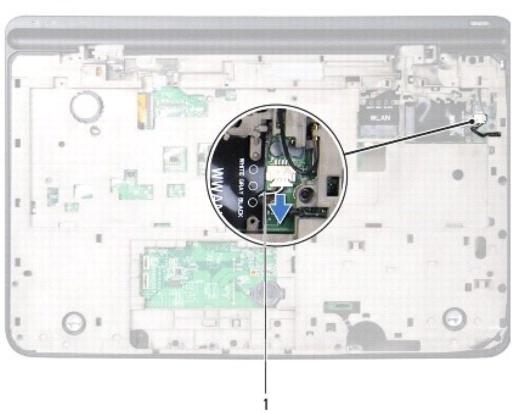
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the I/O Board

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Disconnect the speaker cable from the connector on the I/O board.

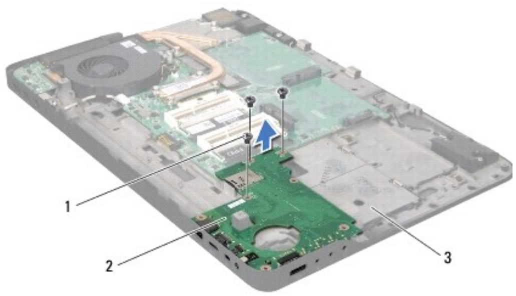


1	speaker cable

14. Turn the top-cover assembly over.

15. Remove the three screws that secure the I/O board to the top cover.

16. Carefully ease the connectors on the I/O board out of the slots in the top cover, and lift the I/O board off the top cover.



1	screws (3)	2	I/O board
3	top cover		

Replacing the I/O Board

1. Follow the instructions in Before You Begin.

2. Align the connectors on the I/O board with the slots on the top cover and place the I/O board on the top cover.

3. Press the I/O board down to connect it to the system-board connector.

4. Replace the three screws that secure the I/O board to the top cover.

5. Connect the speaker cable to the connector on the I/O board.

6. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.

7. Replace the bluetooth card (see Replacing the Bluetooth Card).

8. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).

9. Replace the display assembly (see Replacing the Display Assembly).

10. Replace the keyboard (see Replacing the Keyboard).

11. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

12. Replace the optical drive (see Replacing the Optical Drive).

13. Follow the instructions in step 5 in Replacing the Hard Drive(s).

14. Replace the memory module(s) (see Replacing the Memory Module(s)).

15. Replace the module cover (see Replacing the Module Cover).

16. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Infrared Blaster Connector

Dell™ Inspiron™ One 2305/2310 Service Manual

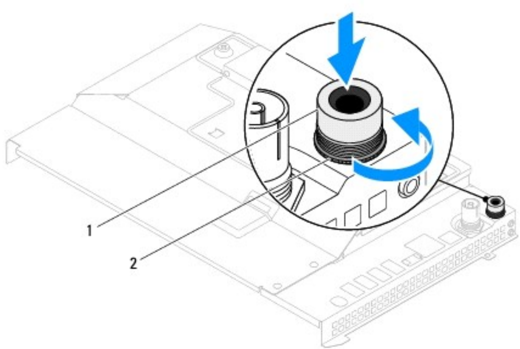
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CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Infrared (IR) Blaster Connector

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Follow the instructions from step 4 to step 8 in Removing the System-Board Shield.
5. Remove the nut that secures the infrared (IR) blaster to the system-board shield.
6. Release the IR blaster connector from the slot on the system-board shield.
7. Lift the IR blaster connector along with its cable away from the system-board shield.



1	IR blaster connector	2	nut

Replacing the Infrared (IR) Blaster Connector

1. Follow the instructions in Before You Begin.
2. Slide the IR blaster connector into the slot on the system-board shield.
3. Replace the nut that secures the IR blaster connector to the system-board shield.
4. Follow the instructions from step 4 to step 8 in Replacing the System-Board Shield.
5. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.
6. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

7. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Infrared Card

Dell™ Inspiron™ One 2305/2310 Service Manual

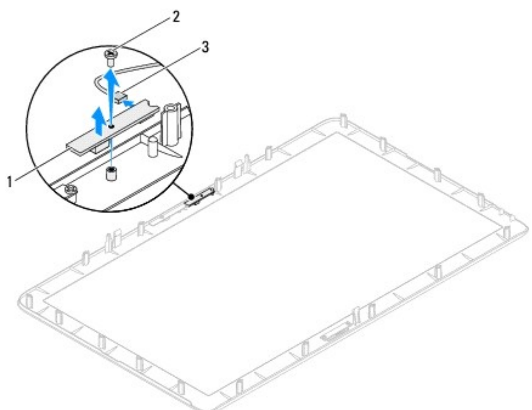
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Infrared Card

1. Follow the procedures in Before You Begin.
2. Remove the system board (see Removing the System Board).
3. Follow the instructions from step 5 to step 11 in Removing the Display Bezel.
4. Turn the display bezel over.
5. Remove the screw that secures the infrared card to the display bezel.
6. Disconnect the infrared-card cable from the connector on the infrared card.
7. Lift the infrared card away from the display bezel.



1	infrared card	2	screw
3	infrared-card cable connector		

Replacing the Infrared Card

1. Follow the instructions in Before You Begin.
2. Connect the infrared-card cable to the connector on the infrared card.
3. Align the screw holes on the infrared card with the screw holes on the display bezel.
4. Replace the screw that secure the infrared card to the display bezel.

5. Turn the display bezel over.

6. Follow the instructions from step 2 to step 12 in Replacing the Display Bezel.

7. Replace the system board (See Replacing the System Board).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

8. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Keyboard

Dell™ XPS™ L701X Service Manual

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CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

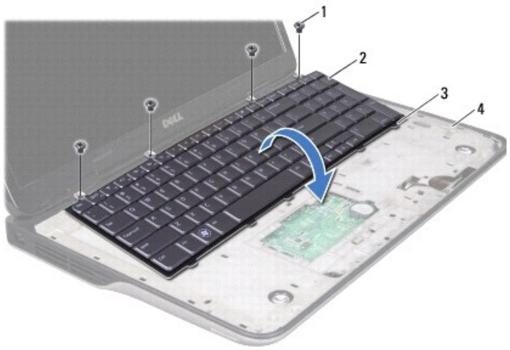
CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Keyboard

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the four screws that secure the keyboard to the top cover.
9. Without pulling hard on the keyboard, carefully lift the keyboard and slide the keyboard tabs out of the slots on the top cover.

CAUTION: The keycaps on the keyboard are fragile, easily dislodged, and time-consuming to replace. Be careful when removing and handling the keyboard.

CAUTION: Be extremely careful when removing and handling the keyboard. Failure to do so could result in scratching the display panel.

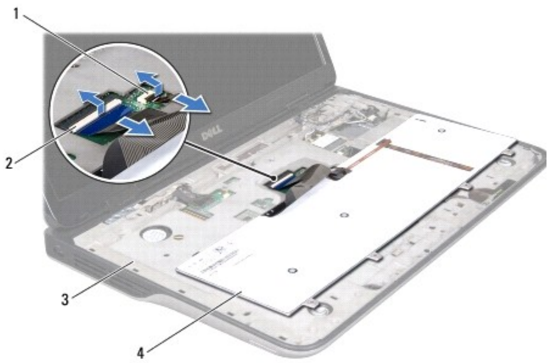


1	screws (4)	2	keyboard
3	tabs (5)	4	top cover

10. Turn the keyboard over and place it on the top cover.

11. Lift the connector latch and pull the pull-tab to disconnect the keyboard backlight cable from the system-board connector.

12. Lift the connector latch and pull the pull-tab to disconnect the keyboard cable from the system-board connector.



1	keyboard backlight cable connector	2	keyboard cable connector
3	top cover	4	keyboard

13. Lift the keyboard off the top cover.

Replacing the Keyboard

1. Follow the instructions in Before You Begin.

2. Slide the keyboard cable into the system-board connector and press down on the connector latch to secure the cable.

3. Slide the keyboard backlight cable into the system-board connector and press down on the connector latch to secure the cable.

4. Slide the tabs on the keyboard into the slots on the top cover and lower the keyboard into place.

5. Replace the four screws that secure the keyboard to the top cover.

6. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

7. Replace the optical drive (see Replacing the Optical Drive).

8. Follow the instructions in step 5 in Replacing the Hard Drive(s).

9. Replace the memory module(s) (see Replacing the Memory Module(s)).

10. Replace the module cover (see Replacing the Module Cover).

11. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Memory Module(s)

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

You can increase your computer memory by installing memory modules on the system board. See "Specifications" in the *Setup Guide* that shipped with your computer or at **support.dell.com/manuals** for information on the type of memory supported by your computer.

NOTE: Memory modules purchased from Dell are covered under your computer warranty.

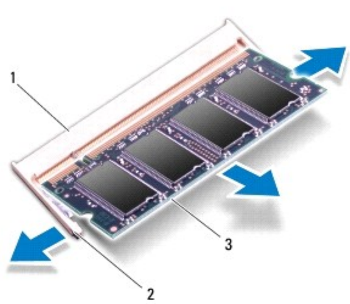
Your computer may have two or four user-accessible SODIMM connectors depending on the configuration of your computer.

Removing the Memory Module(s)

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).

CAUTION: To help prevent damage to the memory-module connector, do not use tools to spread the memory module securing clips.

4. Use your fingertips to carefully spread apart the securing clips on each end of the memory-module connector until the memory module pops up.



1	memory-module connector	2	securing clips (2)
3	memory module		

5. Remove the memory module from the memory-module connector.

Replacing the Memory Module(s)

1. Follow the instructions in Before You Begin.

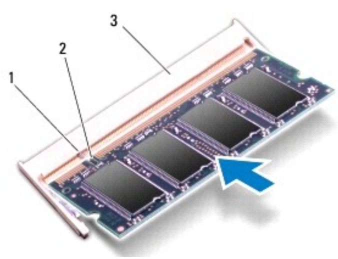
CAUTION: Install memory modules in the memory-module connectors as indicated on the following table based on the number of memory modules you are installing. Your computer may not start, if you fail to install the memory modules as indicated in the table.

	Memory-Module Connector			
Number of Memory Modules	**DIMM A**	**DIMM B**	**DIMM C**	**DIMM D**
1	X			
			X	
2	X	X		
			X	X
	X		X	
3	X	X	X	
	X		X	X
4	X	X	X	X

2. Align the notch in the memory module with the tab in the memory-module connector.

3. Slide the memory module firmly into the memory-module connector at a 45-degree angle, and press the memory module down until it clicks into place. If you do not hear the click, remove the memory module and reinstall it.

   NOTE: If the memory module is not installed properly, the computer may not boot.



1	tab	2	notch
3	memory-module connector		

4. Replace the module cover (see Replacing the Module Cover).

5. Replace the battery (see Replacing the Battery).

6. Connect the AC adapter to your computer and an electrical outlet.

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

7. Turn on the computer.

As the computer boots, it detects the additional memory and automatically updates the system configuration information.

To confirm the amount of memory installed in the computer:

Click **Start** → **Control Panel**→ **System and Security**→ **System**.

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Middle Frame

Dell™ Inspiron™ One 2305/2310 Service Manual

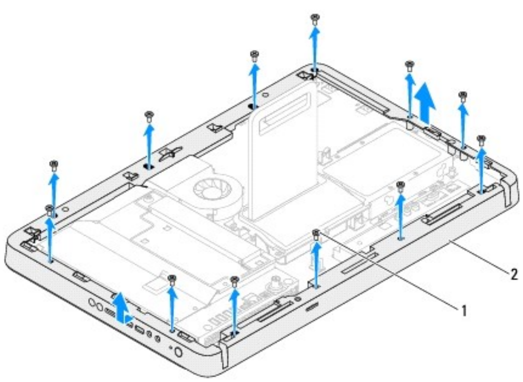
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Middle Frame

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 3 to step 5 in Removing the Optical Drive.
4. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
5. Remove the 12 screws that secure the middle frame to the chassis.
6. Lift the middle frame away from the computer.



1	screws (12)	2	middle frame

Replacing the Middle Frame

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the middle frame with the screw holes on the chassis.
3. Replace the 12 screws that secure the middle frame to the chassis.
4. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.
5. Follow the instructions from step 5 to step 7 in Replacing the Optical Drive.
6. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

7. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Wireless Mini-Card(s)

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

NOTE: Dell does not guarantee compatibility or provide support for Mini-Cards from sources other than Dell.

If you ordered a wireless Mini-Card with your computer, the card is already installed.

Your computer has one full Mini-Card slot and one half Mini-Card slot:

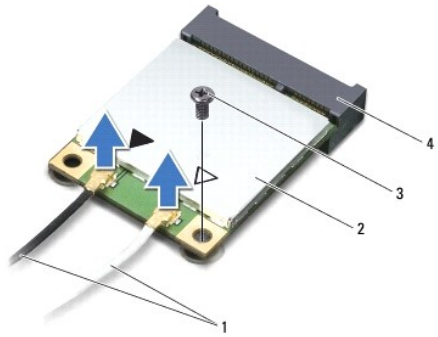
- One full Mini-Card slot — supports Wireless Wide Area Network (WWAN) or TV tuner module.
- One half Mini-Card slot — supports Wireless Local Area Network (WLAN) or Worldwide Interoperability for Microwave Access (WiMax)

NOTE: Depending on the configuration of the computer when it was sold, the Mini-Card slot may or may not have a Mini-Card installed.

Removing the Mini-Card(s)

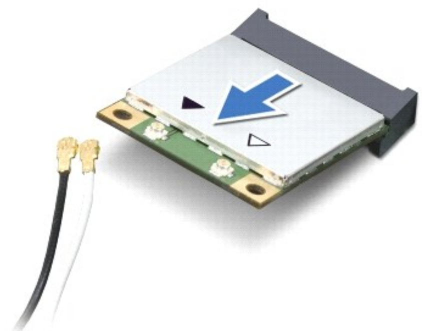
1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive.
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Disconnect the antenna cables from the Mini-Card(s).
10. Remove the screw that secures the Mini-Card to the system board.

NOTE: Your computer can only support either a WWAN Mini-Card or a TV tuner module in the full Mini-Card slot at a time.



1	antenna cables (2)	2	Mini-Card
3	screw	4	system-board connector

11. Lift the Mini-Card(s) out of the system-board connector.



CAUTION: When the Mini-Card is not in the computer, store it in protective antistatic packaging. For more information, see "Protecting Against Electrostatic Discharge" in the safety information that shipped with your computer.

Replacing the Mini-Card(s)

1. Follow the instructions in Before You Begin.
2. Remove the new Mini-Card from its packaging.

CAUTION: Use firm and even pressure to slide the card into place. If you use excessive force, you may damage the connector.

CAUTION: The connectors are keyed to ensure correct insertion. If you feel resistance, check the connectors on the card and on the system board, and realign the card.

CAUTION: To avoid damage to the Mini-Card, never place cables under the card.

3. Insert the Mini-Card connector at a 45-degree angle into the system-board connector.
4. Press the other end of the Mini-Card down into the slot on the system board and replace the screw that secures the Mini-Card to the system board.
5. Connect the appropriate antenna cables to the Mini-Card(s) you are installing. The following table provides the antenna cable color scheme for the Mini-Cards supported by your computer.

Connectors on the Mini-Card	Antenna Cable Color Scheme
WLAN (2 antenna cables)	
Main WLAN (white triangle)	white with gray stripe
Auxiliary WLAN (black triangle)	black with gray stripe
WWAN (2 antenna cables)	
Main WWAN (white triangle)	white
Auxiliary WWAN (black triangle)	black
TV tuner (**1 antenna cable**)	black

6. Replace the keyboard (see Replacing the Keyboard).
7. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
8. Replace the optical drive (see Replacing the Optical Drive).
9. Follow the instructions in step 5 in Replacing the Hard Drive.
10. Replace the memory module(s) (see Replacing the Memory Module(s)).
11. Replace the module cover (see Replacing the Module Cover).
12. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

13. Install the drivers and utilities for your computer, as required.

NOTE: If you are installing a communication card from a source other than Dell, you must install the appropriate drivers and utilities.

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Module Cover

Dell™ XPS™ L701X Service Manual

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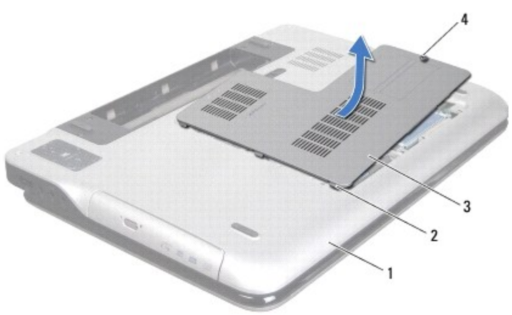
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Module Cover

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Loosen the captive screw that secures the module cover to the base cover.
4. Use your fingertips to release the tabs on the module cover from the slots on the base cover and lift it off the base cover.



1	base cover	2	tabs
3	module cover	4	captive screw

Replacing the Module Cover

1. Follow the instructions in Before You Begin.
2. Align the tabs on the module cover with the slots on the base cover and snap the module cover into place.
3. Tighten the captive screw that secures the module cover to the base cover.
4. Replace the battery (see Replacing the Battery).

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MXM-Assembly Fan (Optional)

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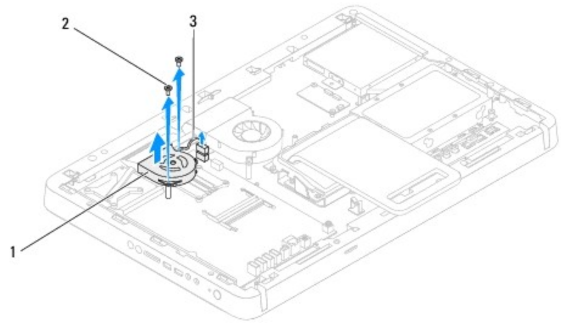
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the MXM-Assembly Fan

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the system-board shield (see Removing the System-Board Shield).
5. Disconnect the MXM-assembly fan cable from the connector (MXM FAN) on the system board.
6. Remove the two screws that secure the MXM-assembly fan to the hex nut screws.
7. Carefully peel the silver foil from the MXM-assembly heat sink.
8. Lift the MXM-assembly fan along with its cable away from the system board.

NOTE: The appearance of the system board may vary based on your computer model.



1	MXM-assembly fan	2	screws (2)
3	MXM-assembly fan cable		

Replacing the MXM-Assembly Fan

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the MXM-assembly fan with the screw holes screw holes on the hex nut screw.
3. Adhere the silver foil to the MXM-assembly heat sink.
4. Replace the two screws that secure the MXM-assembly fan to the system board.

5. Connect the MXM-assembly fan cable to the connector (MXM FAN) on the system board.

6. Replace the system-board shield (see Replacing the System-Board Shield).

7. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

8. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

9. Connect your computer and all attached devices to electrical outlets, and turn them on.

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MXM Assembly (Optional)

Dell™ Inspiron™ One 2305/2310 Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

WARNING: The MXM assembly may be very hot during normal operation. Ensure that it has had sufficient time to cool before you touch it.

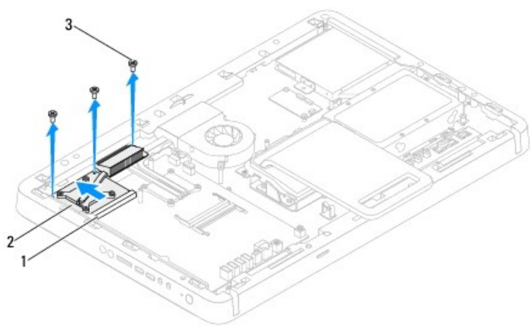
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the MXM Assembly

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the system-board shield (see Removing the System-Board Shield).
5. Remove the MXM-assembly fan (see Removing the MXM-Assembly Fan).
6. Remove the three screws that secure the MXM-assembly to the chassis.
7. Remove the MXM assembly from the MXM-assembly connector.

NOTE: The appearance of the system board may vary based on your computer model.



1	MXM assembly connector	2	MXM assembly
3	screws (3)		

Replacing the MXM Assembly

1. Follow the instructions in Before You Begin.
2. Align the notch on the MXM assembly with the tab in the MXM-assembly connector.
3. Insert the MXM assembly at a 45-degree angle into the MXM-assembly connector.
4. Replace the three screws that secure the MXM assembly to the chassis.

5. Replace the MXM-assembly fan (see Replacing the MXM-Assembly Fan).

6. Replace the system-board shield (see Replacing the System-Board Shield).

7. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

8. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

9. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Optical Drive

Dell™ XPS™ L701X Service Manual

- [Removing the Optical Drive](#)
- [Replacing the Optical Drive](#)

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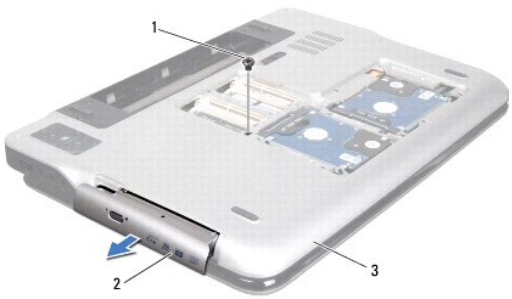
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Optical Drive

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Remove the screw that secures the optical drive to the base cover.
6. Slide the optical drive out of the optical-drive bay.



1	screw	2	optical drive
3	base cover		

Replacing the Optical Drive

1. Follow the instructions in Before You Begin.
2. Slide the optical drive into the optical-drive bay until it is fully seated.
3. Replace the screw that secures the optical drive to the base cover.
4. Replace the memory module(s) (see Replacing the Memory Module(s)).
5. Replace the module cover (see Replacing the Module Cover).

6. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Palm-Rest Assembly

Dell™ XPS™ L701X Service Manual

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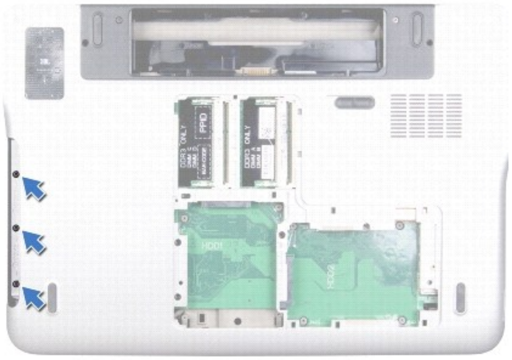
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

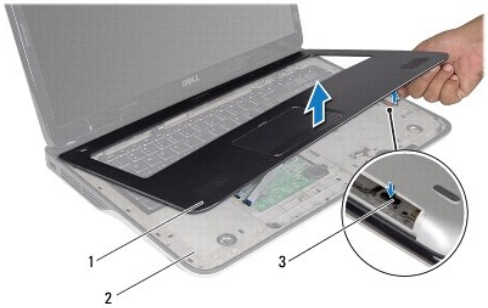
CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Palm-Rest Assembly

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the three screws that secure the palm-rest assembly to the base cover.



8. Turn the computer over and open the display as far as possible.
9. Using your fingertip, gently push the tab to release the palm-rest assembly from the top cover.



1	palm-rest assembly	2	top cover
3	tab		

CAUTION: **Carefully separate the palm-rest assembly from the top cover to avoid damage to the palm-rest assembly.**

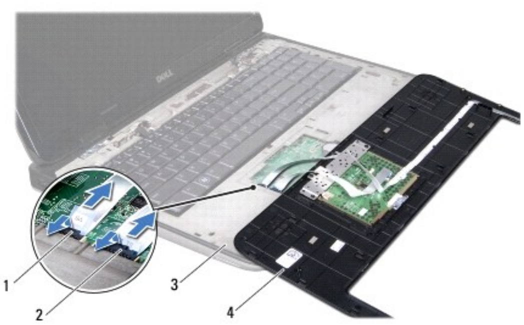
10. Using your fingertips, gently ease the palm-rest assembly from the top cover.

11. Without pulling hard on the palm-rest assembly, turn the palm-rest assembly over and place it on the top cover.

12. Lift the connector latch and pull the pull-tab to disconnect the control-strip cable from the system-board connector.

13. Lift the connector latch and pull the pull-tab to disconnect the touch-pad cable from the system-board connector.

14. Lift the palm-rest assembly off the top cover.



1	control-strip cable connector	2	touch-pad cable connector
3	top cover	4	palm-rest assembly

Replacing the Palm-Rest Assembly

1. Follow the instructions in Before You Begin.

2. Slide the touch-pad cable into the system-board connector and press down on the connector latch to secure the cable.

3. Slide the control-strip cable into the system-board connector and press down on the connector latch to secure the cable.

4. Place the palm-rest assembly on the top cover and gently snap the palm-rest assembly into place.

5. Close the display and turn the computer over.

6. Replace the three screws that secure the palm-rest assembly to the base cover.
7. Replace the optical drive (see Replacing the Optical Drive).
8. Follow the instructions in step 5 in Replacing the Hard Drive(s).
9. Replace the memory module(s) (see Replacing the Memory Module(s)).
10. Replace the module cover (see Replacing the Module Cover).
11. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Processor Module

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

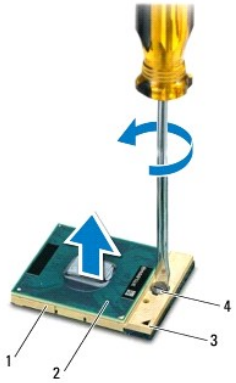
Removing the Processor Module

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Turn the top-cover assembly over.
14. Remove the heat sink (see Removing the Heat Sink).

CAUTION: To prevent intermittent contact between the ZIF-socket cam screw and the processor when removing or replacing the processor, press to apply slight pressure to the centre of the processor while turning the cam screw.

CAUTION: To avoid damage to the processor, hold the screwdriver so that it is perpendicular to the processor when turning the cam screw.

15. To loosen the ZIF socket, use a small, flat-blade screwdriver and rotate the ZIF-socket cam screw counterclockwise until it comes to the cam stop.



1	ZIF socket	2	processor module
3	pin-1 corner	4	ZIF-socket cam screw

CAUTION: To ensure maximum cooling for the processor module, do not touch the heat transfer areas on the processor thermal-cooling assembly. The oils in your skin can reduce the heat transfer capability of the thermal pads.

CAUTION: When removing the processor module, pull the module straight up. Be careful not to bend the pins on the processor module.

16. Lift the processor module off the ZIF socket.

Replacing the Processor Module

NOTE: If a new processor module is installed, you will receive a new thermal-cooling assembly, which will include an affixed thermal pad, or you will receive a new thermal pad along with documentation to illustrate proper installation.

1. Follow the instructions in Before You Begin.
2. Align the pin-1 corner of the processor module with the pin-1 corner of the ZIF socket.

NOTE: The pin-1 corner of the processor module has a triangle that aligns with the triangle on the pin-1 corner of the ZIF socket.

3. Place the processor module lightly in the ZIF socket and ensure that the processor module is positioned correctly.

CAUTION: To avoid damage to the processor module, hold the screwdriver perpendicular to the processor module when turning the cam screw.

4. Tighten the ZIF socket by turning the cam screw clockwise to secure the processor module to the system board.
5. Replace the heat sink (see Replacing the Heat Sink).
6. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.
7. Replace the bluetooth card (see Replacing the Bluetooth Card).
8. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).
9. Replace the display assembly (see Replacing the Display Assembly).
10. Replace the keyboard (see Replacing the Keyboard).
11. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
12. Replace the optical drive (see Replacing the Optical Drive).

13. Follow the instructions in step 5 in Replacing the Hard Drive(s).

14. Replace the memory module(s) (see Replacing the Memory Module(s)).

15. Replace the module cover (see Replacing the Module Cover).

16. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Power-Button Board

Dell™ XPS™ L701X Service Manual

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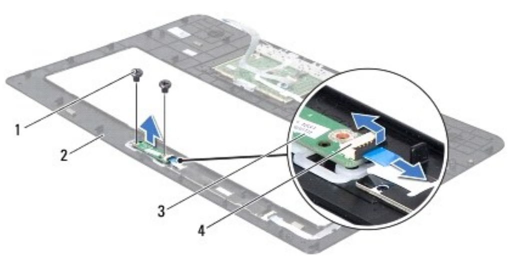
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Power-Button Board

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Turn the palm-rest assembly over.
9. Lift the connector latch and pull the pull-tab to disconnect the power-button board cable from the connector on the power-button board.
10. Remove the two screws that secure the power-button board to the palm-rest assembly.
11. Lift the power-button board off the palm-rest assembly.



1	screws (2)	2	palm-rest assembly
3	power-button board	4	power-button board cable connector

Replacing the Power-Button Board

1. Follow the instructions in Before You Begin.

2. Use the alignment post to place the power-button board on the palm-rest assembly.

3. Replace the two screws that secure the power-button board to the palm-rest assembly.

4. Slide the power-button board cable into the connector on the power-button board and press down on the connector latch to secure the cable.

5. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

6. Replace the optical drive (see Replacing the Optical Drive).

7. Follow the instructions in step 5 in Replacing the Hard Drive(s).

8. Replace the memory module(s) (see Replacing the Memory Module(s)).

9. Replace the module cover (see Replacing the Module Cover).

10. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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System-Board Shield

Dell™ Inspiron™ One 2305/2310 Service Manual

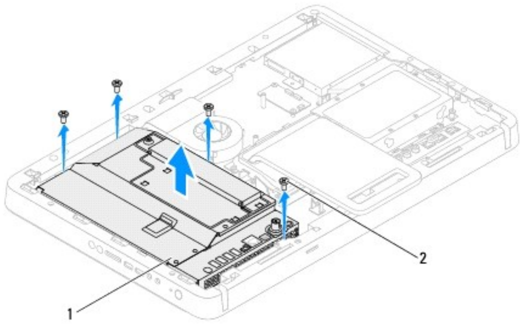
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CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the System-Board Shield

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the four screws that secure the system-board shield to the chassis.
5. Carefully lift the system-board shield and turn it over to the left of the computer.



1	system-board shield	2	screws (4)

6. Disconnect the antenna-in connector cable from the connector on the TV tuner card.
7. Disconnect the infrared (IR) blaster connector cable from the connector (CIR Emitter) on the system board.
8. Release the antenna-in connector cable and IR blaster connector cable from the routing guides on the system-board shield.
9. Follow the instructions from step 5 to step 7 in Removing the Antenna-In Connector.
10. Follow the instructions from step 5 to step 7 in Removing the Infrared (IR) Blaster Connector.

Replacing the System-Board Shield

1. Follow the instructions in Before You Begin.
2. Follow the instructions from step 2 to step 5 in Replacing the Infrared (IR) Blaster Connector.
3. Follow the instructions from step 2 to step 3 in Replacing the Antenna-In Connector.

4. Route the antenna-in connector cable and infrared (IR) blaster connector cable through the routing guides on the system-board shield.

5. Connect the IR blaster connector cable to the connector (CIR Emitter) on the system board.

6. Connect the antenna-in connector cable to the connector on the TV tuner card.

7. Carefully turn the system-board shield over and align the screw holes on the system-board shield with the screw holes on the chassis.

8. Replace the four screws that secure the system-board shield to the chassis.

9. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

10. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

11. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Speakers

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

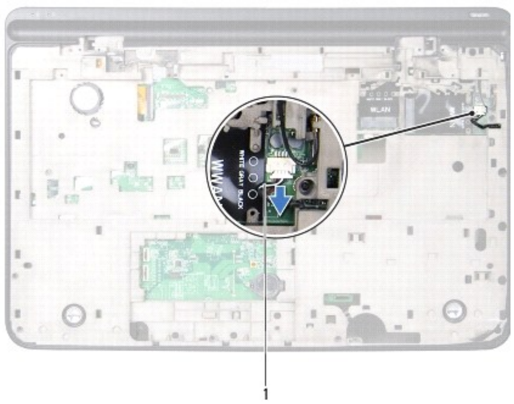
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

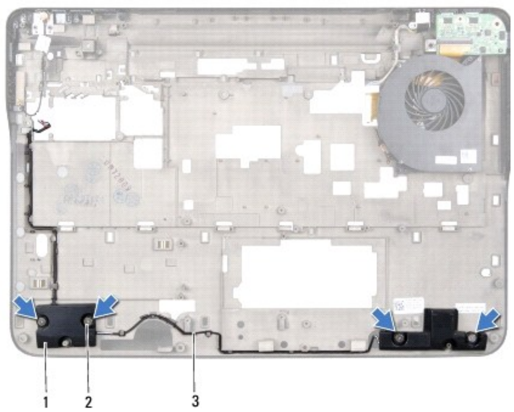
Removing the Speakers

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Disconnect the speaker cable from the I/O board connector.



1	speaker cable

4. Remove the system board (see Removing the System Board).
5. Make note of the speakers cable routing and remove the cable from the routing guides.
6. Remove the four screws (two on each speaker) that secure the speakers to the top cover.
7. Lift the speakers along with the cable off the top cover.



1	speakers (2)	2	screws (4)
3	speaker cable		

Replacing the Speaker

1. Follow the instructions in Before You Begin.
2. Route the speakers cable through the routing guides
3. Align the screw holes on the speakers with the screw holes on the top cover.
4. Replace the four screws (two on each speaker) that secure the speakers to the base cover.
5. Replace the system board (see Replacing the System Board).
6. Connect the speaker cable to the system-board connector.
7. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Speaker Cover

Dell™ Inspiron™ One 2305/2310 Service Manual

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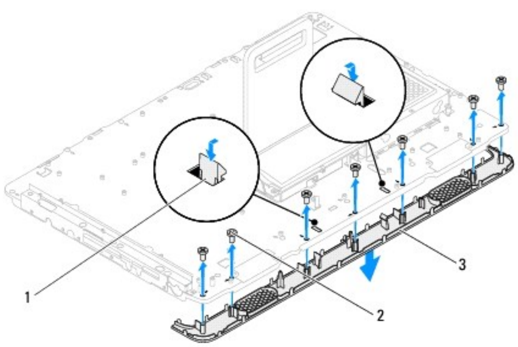
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Speaker Cover

1. Follow the instructions in Before You Begin.
2. Remove the system board (see Removing the System Board).
3. Remove the display bezel (see Removing the Display Bezel).
4. Remove the speakers (see Removing the Speakers).
5. Remove the seven screws that secure the speaker cover to the chassis.
6. Release the two tabs that secure the speaker cover to the chassis.
7. Lift the speaker cover away from the computer.

NOTE: The appearance of the system board may vary based on your computer model



1	tabs (2)	2	screws (7)
3	speaker cover		

Replacing the Speaker Cover

1. Follow the instructions in Before You Begin.
2. Secure the two tabs on the speaker cover to the slots on the chassis.
3. Align the screw holes on the speaker cover with the screw holes on the chassis.
4. Replace the seven screws that secure the speaker cover to the chassis.
5. Replace the display bezel (see Replacing the Display Bezel).

6. Replace the system board (see Replacing the System Board).

7. Replace the speakers (see Replacing the Speakers).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

8. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Rear Stand

Dell™ Inspiron™ One 2305/2310 Service Manual

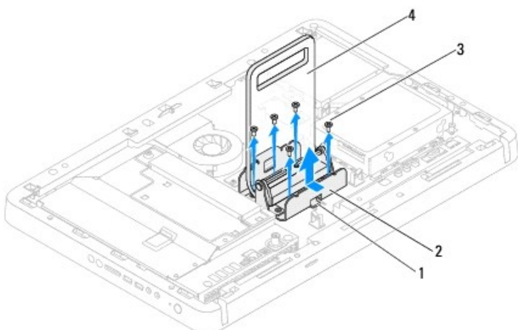
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CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Rear Stand

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Remove the rear stand cover (see Removing the Rear Stand Cover).
5. Lift the rear stand and remove the two screws at the bottom of the rear stand hinge.
6. Remove the three screws at the top of the rear stand hinge.
7. Slide the tab on the rear stand hinge out of the slot on the chassis and then lift the rear stand away from the computer.



1	tab	2	rear stand hinge
3	screws (5)	4	rear stand

Replacing the Rear Stand

1. Follow the instructions in Before You Begin.
2. Slide the tab on the rear stand hinge into the slot on the chassis.
3. Replace the three screws at the top of the rear stand hinge.
4. Lift the rear stand and replace the two screws at the bottom of the rear stand hinge.
5. Replace the rear stand cover (see Replacing the Rear Stand Cover).
6. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

7. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

8. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Rear Stand Cover

Dell™ Inspiron™ One 2305/2310 Service Manual

- Removing the Rear Stand Cover
- Replacing the Rear Stand Cover

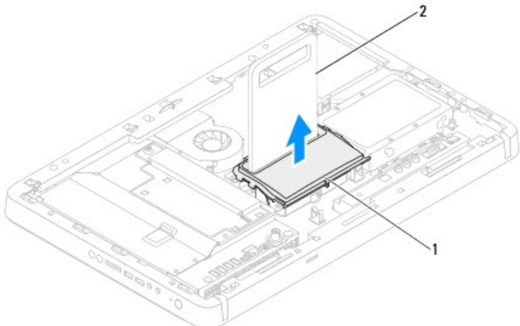
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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Rear Stand Cover

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Lift and hold the rear stand and release the rear stand cover from its position.
5. Slide out the rear stand cover through the rear stand.



1	rear stand cover	2	rear stand

Replacing the Rear Stand Cover

1. Follow the instructions in Before You Begin.
2. Slide the rear stand cover through the rear stand.
3. Lift the rear stand and place the rear stand cover in position.
4. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.
5. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

6. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Subwoofer

Dell™ XPS™ L701X Service Manual

- Removing the Subwoofer
- Replacing the Subwoofer

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

Removing the Subwoofer

1. Follow the instructions in Before You Begin.
2. Remove the battery (see Removing the Battery).
3. Remove the module cover (see Removing the Module Cover).
4. Remove the memory module(s) (see Removing the Memory Module(s)).
5. Follow the instructions in step 5 in Removing the Hard Drive(s).
6. Remove the optical drive (see Removing the Optical Drive).
7. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
8. Remove the keyboard (see Removing the Keyboard).
9. Remove the display assembly (see Removing the Display Assembly).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Follow the instructions from step 13 to step 18 in Removing the Top Cover.
13. Remove the four screws that secure the subwoofer to the base cover.
14. Lift the subwoofer along with the cable off the base cover.



1	screws (4)	2	subwoofer
3	base cover		

Replacing the Subwoofer

1. Follow the instructions in Before You Begin.
2. Align the screw holes on the subwoofer with the screw holes on the base cover.
3. Replace the four screws that secure the subwoofer to the base cover.
4. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.
5. Replace the bluetooth card (see Replacing the Bluetooth Card).
6. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).
7. Replace the display assembly (see Replacing the Display Assembly).
8. Replace the keyboard (see Replacing the Keyboard).
9. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).
10. Replace the optical drive (see Replacing the Optical Drive).
11. Follow the instructions in step 5 in Replacing the Hard Drive(s).
12. Replace the memory module(s) (see Replacing the Memory Module(s)).
13. Replace the module cover (see Replacing the Module Cover).
14. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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System Board

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

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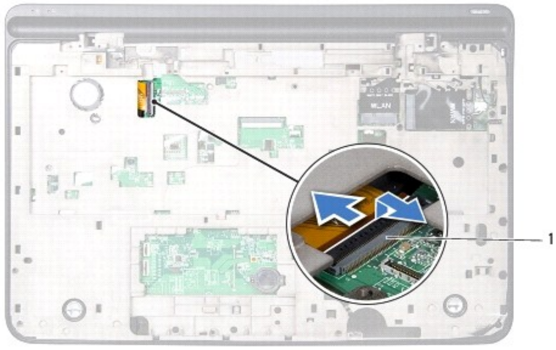
CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

CAUTION: Handle components and cards by their edges, and avoid touching pins and contacts.

Removing the System Board

1. Follow the instructions in Before You Begin.
2. Remove any installed card or blank from the Media Card Reader.
3. Remove the battery (see Removing the Battery).
4. Remove the module cover (see Removing the Module Cover).
5. Remove the memory module(s) (see Removing the Memory Module(s)).
6. Follow the instructions in step 5 in Removing the Hard Drive(s).
7. Remove the optical drive (see Removing the Optical Drive).
8. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
9. Remove the keyboard (see Removing the Keyboard).
10. Remove the display assembly (see Removing the Display Assembly).
11. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
12. Remove the bluetooth card (see Removing the Bluetooth Card).
13. Remove the coin-cell battery (see Removing the Coin-Cell Battery).
14. Lift the connector latch and pull the pull-tab to disconnect the USB-board cable from the system-board connector.



1	USB-board cable connector

15. Follow the instructions from step 13 to step 18 in Removing the Top Cover.

16. Remove the heat sink (see Removing the Heat Sink).

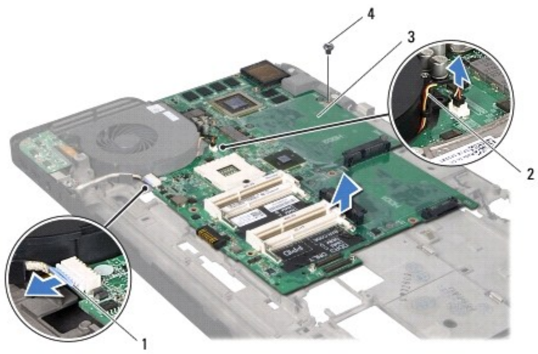
17. Remove the processor module (see Removing the Processor Module).

18. Remove the I/O board (see Removing the I/O Board).

19. Disconnect the fan cable and AC-adapter connector cable from their connectors on the system board.

20. Remove the screw that secures the system board to the top cover.

21. Lift the system board off the top cover.



1	AC-adapter connector cable	2	fan cable
3	system board	4	screw

Replacing the System Board

1. Follow the instructions in Before You Begin.

2. Align the screw hole on the system board with the screw hole on the top cover.

3. Replace the screw that secures the system board to the top cover.

4. Connect the fan cable and AC-adapter connector cable to their connectors on the system board.

5. Replace the I/O board (see Replacing the I/O Board).

6. Replace the processor module (see Replacing the Processor Module).

7. Replace the heat sink (see Replacing the Heat Sink).

8. Follow the instructions from step 11 to step 15 in Replacing the Top Cover.

9. Slide the USB-board cable into the system-board connector and press down on the connector latch to secure the cable.

10. Replace the coin-cell battery (see Replacing the Coin-Cell Battery).

11. Replace the bluetooth card (see Replacing the Bluetooth Card).

12. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).

13. Replace the display assembly (see Replacing the Display Assembly).

14. Replace the keyboard (see Replacing the Keyboard).

15. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

16. Replace the optical drive (see Replacing the Optical Drive).

17. Follow the instructions in step 5 in Replacing the Hard Drive(s).

18. Replace the memory module(s) (see Replacing the Memory Module(s)).

19. Replace the module cover (see Replacing the Module Cover).

20. Replace the battery (see Replacing the Battery).

21. Replace any blank or card you removed from the Media Card Reader.

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

22. Turn on the computer.

NOTE: After you have replaced the system board, enter the computer Service Tag into the BIOS of the replacement system board.

23. Enter the service tag (see Entering the Service Tag in the BIOS).

Entering the Service Tag in the BIOS

1. Ensure that the AC adapter is plugged in and that the main battery is installed properly.

2. Turn on the computer.

3. Press <F2> during POST to enter the system setup program.

4. Navigate to the security tab and enter the service tag in the **Set Service Tag** field.

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System Setup Utility

Dell™ Inspiron™ One 2305/2310 Service Manual

Overview

Use the system setup utility to:

- Change the system configuration information after you add, change, or remove any hardware in your computer
- Set or change a user-selectable option such as the user password
- Read the current amount of memory or set the type of hard drive installed

CAUTION: Unless you are an expert computer user, do not change the settings for this program. Certain changes can make your computer work incorrectly.

NOTE: Before you change system setup, it is recommended that you write down the system setup screen information for future reference.

Entering System Setup Utility

1. Turn on (or restart) your computer.
2. When the DELL™ logo is displayed, watch for the F2 prompt to appear and then press <F2> immediately.

   NOTE: The F2 prompt indicates that the keyboard has initialized. This prompt can appear very quickly, so you must watch for it, and then press <F2>. If you press <F2> before the F2 prompt, this keystroke will be lost. If you wait too long and the operating system logo appears, continue to wait until you see the Microsoft® Windows® desktop. Then, shut down your computer (see Turning Off Your Computer) and try again.

System Setup Screens

The system setup screen displays current or changeable configuration information for your computer. Information on the screen is divided into three areas: the **setup item**, active **help screen**, and **key functions**.

Setup Item — This field appears on the left side of the system setup window. The field is a scrollable list containing features that define the configuration of your computer, including installed hardware, power conservation, and security features. Scroll up and down the list with the up- and down-arrow keys. As an option is highlighted, the **Help Screen** displays more information about that option and available settings.	**Help Screen** — This field appears on the right side of the system setup window and contains information about each option listed in the **Setup Item**. In this field you can view information about your computer and make changes to your current settings. Press the up-arrow and down-arrow keys to highlight an option. Press <Enter> to make that selection active and return to the **Setup Item**. **NOTE:** Not all settings listed in the **Setup Item** are changeable.
Key Functions — This field appears below the **Help Screen** and lists keys and their functions within the active system setup field.	

System Setup Options

Inspiron One 2305

NOTE: Depending on your computer and installed devices, the items listed in this section may appear, or may not appear exactly as listed.

Main	
System Information	Displays the system name
BIOS Version	Displays the BIOS version number
System Date	Displays the current date in mm/dd/yyyy format
System Time	Displays the current time in hh:mm:ss format
Service Tag	Displays the service tag of the computer
Asset Tag	Displays the asset tag of the computer when the asset tag is present

Processor Information	
Processor Type	Displays the processor information
L1 Cache size	Displays the L1 cache size
L2 Cache size	Displays the L2 cache size
L3 Cache size	Displays the L3 cache size
Memory Information	
Memory Installed	Indicates the amount of memory installed in MB
Memory Available	Indicates the amount of memory available in MB
Memory Speed	Indicates the memory speed in MHz
Memory Technology	Indicates the type of installed memory
Device Information	
SATA 0	Displays the SATA drive connected to the SATA 0 connector
SATA 1	Displays the SATA drive connected to the SATA 1 connector
Advanced	
System Configuration	• Onboard Audio Controller — Enabled or Disabled (Enabled by default) • SATA Mode — ATA Mode or AHCI Mode (AHCI Mode by default) • Onboard LAN Controller — Enabled or Disabled (Enabled by default) • Onboard LAN Boot ROM — Enabled or Disabled (Disabled by default) • UMA Frame Buffer Size — Auto; 32MB; 64MB; 128MB; 256MB; 512MB; 1024MB (Auto by default) • USB Controller — Enabled or Disabled (Enabled by default)
Power Management	• AC Recovery — Power On; Power Off; Last State (Power Off by default) • Remote Wake up — Enabled or Disabled (Enabled by default) • Auto Power On — Enabled or Disabled (Disabled by default) • Auto Power On Date — 0 to 31 (15 by default) • Auto Power On hour — 0 to 23 (12 by default) • Auto Power On minute — 0 to 59 (30 by default) • Auto Power On second — 0 to 59 (30 by default)
Post Behavior	• Bootup NumLock State — On or Off (On by default) • Keyboard Errors — Report or Do Not Report (Report by default)
CPU Feature	• Secure Virtual Machine Disabled Mode — Enabled or Disabled (Enabled by default) • AMD Cool `N' Quiet — Enabled or Disabled (Enabled by default)
Security	
Admin Password	Allows to set, change, or delete the administrator password **NOTE:** Deleting administrator password will delete the system password. Hence, the administrator password must be set before setting the system password.
System Password	Allows to set, change, or delete the system password
Password on Boot	Enabled or Disabled (Enabled by default)
Boot	
1st Boot Priority	Specifies the boot sequence from the available devices Diskette Drive; Hard Drive; USB Storage Device; CD/DVD/CD-RW Drive; Network; Disabled (Hard Drive by default)
2nd Boot Priority	Specifies the boot sequence from the available devices Diskette Drive; Hard Drive; USB Storage Device; CD/DVD/CD-RW Drive; Network; Disabled (CD/DVD/CD-RW Drive by default)
3rd Boot Priority	Specifies the boot sequence from the available devices Diskette Drive; Hard Drive; USB Storage Device; CD/DVD/CD-RW Drive; Network; Disabled (Diskette Drive by default)
4th Boot Priority	Specifies the boot sequence from the available devices Diskette Drive; Hard Drive; USB Storage Device; CD/DVD/CD-RW Drive; Network; Disabled (Network by default)
5th Boot Priority	Specifies the boot sequence from the available devices Diskette Drive; Hard Drive; USB Storage Device; CD/DVD/CD-RW Drive; Network; Disabled (USB Storage Device by default)
Exit	
Exit Options	Provides options to **Save Changes and Reset, Discard Changes and Reset,** and **Load Defaults**

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Main	
System Information	Displays the system name
BIOS Version	Displays the BIOS version number
System Date	Displays the current date in mm/dd/yyyy format
System Time	Displays the current time in hh:mm:ss format
Service Tag	Displays the service tag of the computer when the service tag is present
Asset Tag	Displays the asset tag of the computer when the asset tag is present
Processor Information	
Processor Type	Displays the processor information
L1 Cache Size	Displays the L1 cache size
L2 Cache Size	Displays the L2 cache size
L3 Cache Size	Displays the L3 cache size
Memory Information	
Memory Installed	Indicates the amount of memory installed in MB
Memory Available	Indicates the amount of memory available in MB
Memory Speed	Indicates the memory speed in MHz
Memory Technology	Indicates the type of installed memory
Device Information	
SATA 0	Displays the SATA drive connected to the SATA 0 connector
SATA 1	Displays the SATA drive connected to the SATA 1 connector
Advanced	
CPU Configuration	• Hyper-Threading — Enabled or Disabled (Enabled by default) • Multi Core Support — All; 1; 2 (All by default) • Limit CPUID Value — Enabled or Disabled (Disabled by default) • CPU XD Support — Enabled or Disabled (Enabled by default) • Intel Virtualization Technology — Enabled or Disabled (Enabled by default) • Intel(R) SpeedStep — Enabled or Disabled (Enabled by default)
System Configuration	• Onboard Audio Controller — Enabled or Disabled (Enabled by default) • Onboard LAN Controller — Enabled or Disabled (Enabled by default) • Onboard LAN Boot ROM — Enabled or Disabled (Disabled by default) • SATA Mode — IDE Mode or AHCI Mode (AHCI Mode by default) • USB Controller — Enabled or Disabled (Enabled by default) • DVMT/FIXED Memory — 128MB; 256MB; Maximum (256MB by default)
Power Management	• AC Recovery — Power On; Power Off; Last Power State (Power Off by default) • Remote Wake Up — Enabled or Disabled (Enabled by default) • Auto Power On — Enabled or Disabled (Disabled by default) • Auto Power On Date — 0 to 31 (15 by default) • Auto Power On Hour — 0 to 23 (12 by default) • Auto Power On Minute — 0 to 59 (30 by default) • Auto Power On second — 0 to 59 (30 by default)
Post Behavior	• Numlock Key — On or Off (On by default) • Keyboard Errors — Report or Do Not Report (Report by default)
Security	
Admin Password	Allows to set, change, or delete the administrator password **NOTE:** Deleting the administrator password will delete system password. Hence, the administrator password must be set before setting the system password.
System Password	Allows to set, change, or delete the system password
Password on Boot	Enabled or Disabled (Enabled by default)
Boot	
1st Boot Priority	Specifies the boot sequence from the available devices USB Storage Device; Hard Drive; CD/DVD/CD-RW Drive; Diskette Drive; Network; Disabled (Hard Drive by default)
2nd Boot Priority	Specifies the boot sequence from the available devices USB Storage Device; Hard Drive; CD/DVD/CD-RW Drive; Diskette Drive; Network; Disabled (CD/DVD/CD-RW Drive by default)

3rd Boot Priority	Specifies the boot sequence from the available devices USB Storage Device; Hard Drive; CD/DVD/CD-RW Drive; Diskette Drive; Network; Disabled (Diskette Drive by default)
4th Boot Priority	Specifies the boot sequence from the available devices USB Storage Device; Hard Drive; CD/DVD/CD-RW Drive; Diskette Drive; Network; Disabled (Network; by default)
5th Boot Priority	Specifies the boot sequence from the available devices USB Storage Device; Hard Drive; CD/DVD/CD-RW Drive; Diskette Drive; Network; Disabled (USB Storage Device by default)
Exit	
Exit Options	Provides options to **Save Changes and Reset, Discard Changes and Reset,** and **Load Defaults**

Boot Sequence

This feature allows you to change the boot sequence for devices.

Boot Options

- **Diskette Drive —** The computer attempts to boot from the floppy disk drive. If no operating system is on the drive, the computer generates an error message.
- **Hard Drive** — The computer attempts to boot from the primary hard drive. If no operating system is on the drive, the computer generates an error message.
- **CD/DVD/CD-RW Drive** — The computer attempts to boot from the CD/DVD/CD-RW drive. If no CD/DVD/CD-RW is in the drive, or if the CD/DVD/CD-RW has no operating system, the computer generates an error message.
- **USB Storage Device —** Insert the memory device into a USB connector and restart the computer. When `F12 Boot Options` appears in the lower-right corner of the screen, press <F12>. The BIOS detects the device and adds the USB flash option to the boot menu.

NOTE: To boot to a USB device, the device must be bootable. To ensure that your device is bootable, check the device documentation.

- **Network** — The computer attempts to boot from the network. If no operating system is found on the network, the computer generates an error message.

Changing Boot Sequence for the Current Boot

You can use this feature to change the current boot sequence, for example, to boot from the CD/DVD/CD-RW drive to run Dell Diagnostics from the *Drivers and Utilities* disc. On completion of diagnostic tests, the previous boot sequence is restored.

1. If you are booting from a USB device, connect the USB device to a USB connector.
2. Turn on (or restart) your computer.
3. When `F2 Setup, F12 Boot Options` appears in the lower-right corner of the screen, press <F12>.

NOTE: If you wait too long and the operating system logo appears, continue to wait until you see the Microsoft® Windows® desktop. Then shut down your computer and try again.

The **Boot Device Menu** appears, listing all available boot devices.

4. On the **Boot Device Menu** choose the device you want to boot from.

   For example, if you are booting to a USB memory key, highlight **USB Storage Device** and press <Enter>.

NOTE: To boot to a USB device, the device must be bootable. To ensure your device is bootable, check the device documentation.

Changing Boot Sequence for Future Boots

1. Enter system setup utility (see Entering System Setup Utility).
2. Use the arrow keys to highlight the **Boot** menu option and press <Enter> to access the menu.

   NOTE: Write down your current boot sequence in case you want to restore it.

3. Press the up- and down-arrow keys to move through the list of devices.

4. Press plus (+) or minus (−) to change the boot priority of the device.

Clearing Forgotten Passwords

WARNING: Before you begin any of the procedures in this section, follow the safety instructions that shipped with your computer.

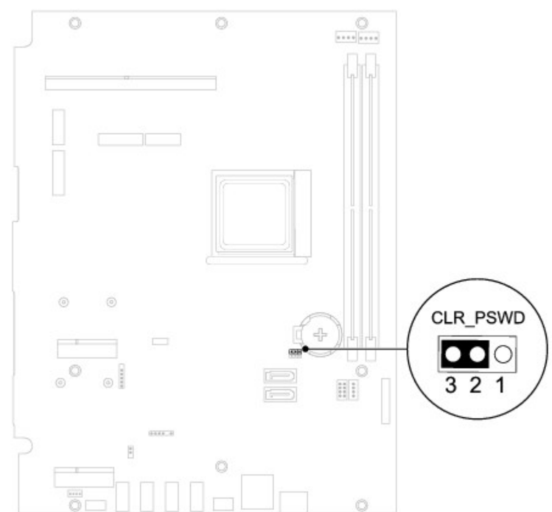
WARNING: The computer must be disconnected from the electrical outlet to clear the CMOS setting.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

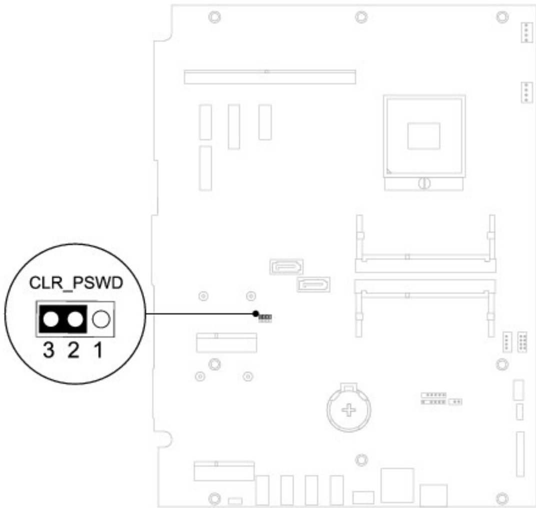
CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Remove the system-board shield (see Removing the System-Board Shield).
4. Locate the 3-pin password reset jumper (CLR_PWSD) on the system board. (see System Board Components).
5. Remove the 2-pin jumper plug from pins 2 and 3 and fix it on pins 1 and 2.

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6. Wait for approximately five seconds to clear the password setting.

7. Remove the 2-pin jumper plug from pins 1 and 2 and replace it on pins 2 and 3.

8. Replace the system-board shield (see Replacing the System-Board Shield).

9. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

10. Connect your computer and devices to electrical outlets, and turn them on.

Clearing CMOS Passwords

WARNING: Before you begin any of the procedures in this section, follow the safety instructions that shipped with your computer.

WARNING: The computer must be disconnected from the electrical outlet to clear the CMOS setting.

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CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

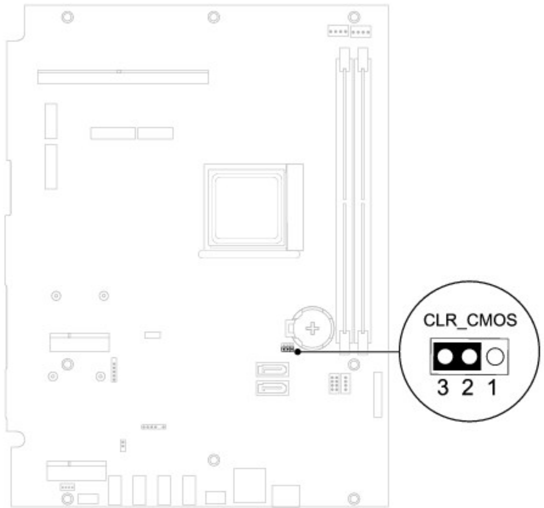
1. Follow the instructions in Before You Begin.

2. Remove the back cover (see Removing the Back Cover).

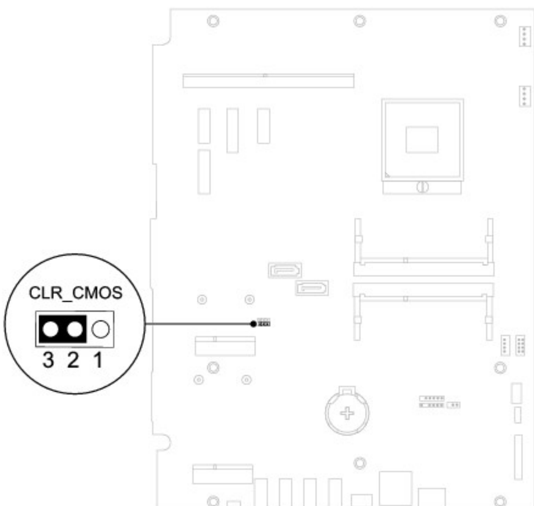
3. Remove the system-board shield (see Removing the System-Board Shield).

4. Locate the 3-pin CMOS reset jumper (CLR_CMOS) on the system board. (see System Board Components).

5. Remove the 2-pin jumper plug from pins 2 and 3 and fix it on pins 1 and 2.



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6. Wait for approximately five seconds to clear the CMOS setting.

7. Remove the 2-pin jumper plug from pins 1 and 2 and replace it on pins 2 and 3.

8. Replace the system-board shield (see Replacing the System-Board Shield).

9. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

10. Connect your computer and devices to electrical outlets, and turn them on.

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Technical Overview

Dell™ Inspiron™ One 2305/2310 Service Manual

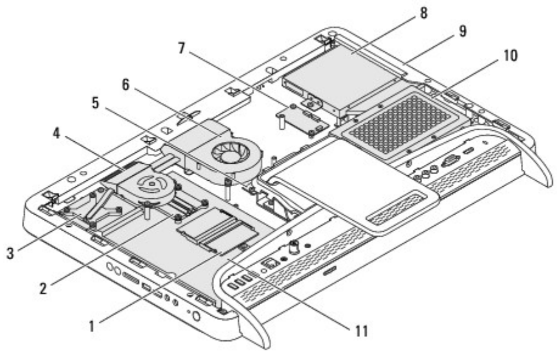
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Inside View of Your Inspiron One

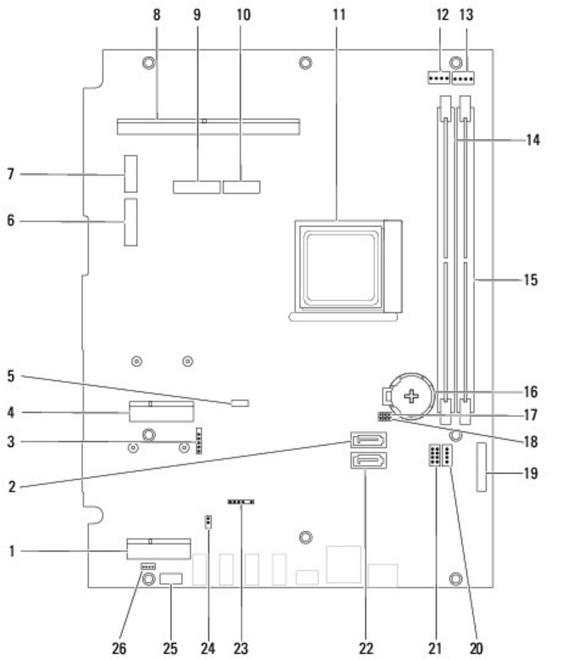
NOTE: The appearance of the system board may vary based on your computer model.



1	memory module(s)	2	processor heat-sink
3	MXM-assembly heat sink	4	MXM-assembly fan
5	converter card	6	processor heat-sink fan
7	touch screen control card	8	optical drive
9	middle frame	10	hard-drive assembly
11	system board		

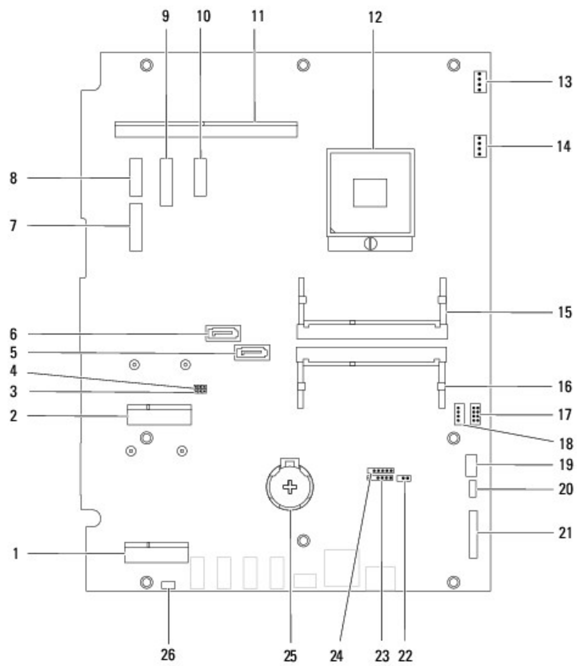
System Board Components

Inspiron™ One 2305



1	TV tuner card slot (TV TUNER)	2	SATA connector (ODD)
3	touch-screen cable connector (Touch)	4	Mini-Card slot (WLAN\COMBO)
5	Bluetooth cable connector (BT)	6	display cable connector (when both MXM card and audio video card are present) (AV IN_MXM)
7	display cable connector (when only MXM card is present) (LVDS_MXM)	8	MXM-assembly connector
9	display cable connector (when only audio video card is present) (AV IN_NB)	10	display cable connector (when both MXM card and audio video card are absent) (LVDS_NB)
11	processor socket	12	MXM-fan cable connector (MXM FAN)
13	processor heat-sink fan cable connector (CPU FAN)	14	memory-module connector (CHA-DIMM)
15	memory-module connector (CHB-DIMM)	16	battery socket (BT1)
17	password jumper (CLR_PSWD)	18	CMOS jumper (CLR_CMOS)
19	converter-card cable connector	20	optical-drive power cable connector (ODD PWR)
21	hard-drive power cable connector (HDD PWR)	22	SATA connector (HDD)
23	infrared cable connector (CIR Receiver)	24	infrared blaster cable connector (CIR Emitter)
25	camera cable connector (CN 25)	26	speaker cable connector (CN 10)

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1	TV tuner card slot (TV TUNER)	2	Mini-Card slot (WLAN\COMBO)
3	CMOS jumper (CLR_CMOS)	4	password jumper (CLR_PSWD)
5	SATA drive connector (SATA 1)	6	SATA drive connector (SATA 0)
7	display cable connector (when both MXM card and audio video card are present) (AVIN_MXM)	8	display cable connector (when only MXM card is present) (LVDS_MXM)
9	display cable connector (when only audio video card is present) (AVIN_UMA)	10	display cable connector (when both MXM card and audio video card are absent) (LVDS_UMA)
11	MXM-assembly connector	12	processor socket
13	MXM-fan connector (MXM FAN)	14	processor heat-sink fan connector (CPU FAN)
15	memory-module connector	16	memory-module connector
17	hard-drive power cable connector (HDD PWR)	18	optical-drive power cable connector (ODD PWR)
19	camera cable connector	20	Bluetooth cable connector (BT)
21	converter-card cable connector	22	infrared blaster cable connector
23	infrared cable connector	24	touch-screen cable connector (Touch)
25	battery socket (BT1)	26	speaker cable connector

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NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING indicates a potential for property damage, personal injury, or death.

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Top Cover

Dell™ XPS™ L701X Service Manual

WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

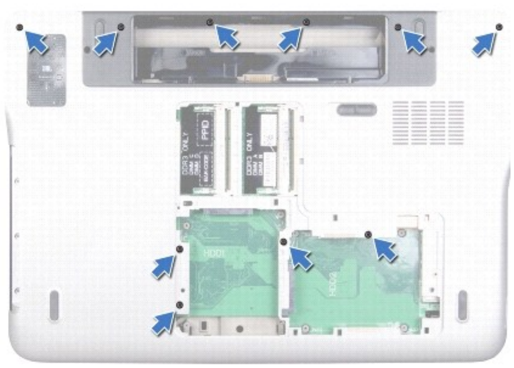
CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

CAUTION: To help prevent damage to the system board, remove the main battery (see Removing the Battery) before working inside the computer.

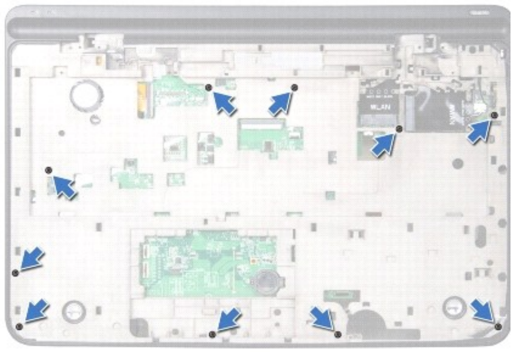
Removing the Top Cover

1. Follow the instructions in Before You Begin.
2. Press and eject any installed cards from the Media Card Reader.
3. Remove the battery (see Removing the Battery).
4. Remove the module cover (see Removing the Module Cover).
5. Remove the memory module(s) (see Removing the Memory Module(s)).
6. Follow the instructions in step 5 in Removing the Hard Drive(s).
7. Remove the optical drive (see Removing the Optical Drive).
8. Remove the palm-rest assembly (see Removing the Palm-Rest Assembly).
9. Remove the keyboard (see Removing the Keyboard).
10. Remove the Mini-Card(s) (see Removing the Mini-Card(s)).
11. Remove the bluetooth card (see Removing the Bluetooth Card).
12. Remove the display assembly (see Removing the Display Assembly).
13. Remove the ten screws that secure the top-cover assembly to the base cover.

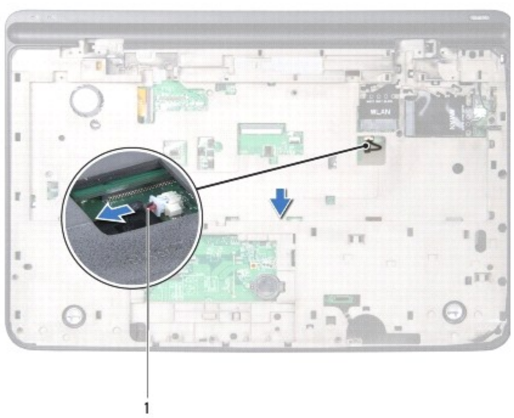


14. Turn the computer over.

15. Remove the ten screws that secure the top-cover assembly to the base cover.



16. Disconnect the subwoofer cable from the system-board connector.



1	subwoofer cable

17. Using your fingertips, gently ease the top-cover assembly from the base cover.

18. Lift the top cover assembly off the base cover.



1	top-cover assembly

19. Remove the AC-adapter connector (see Removing the AC-Adapter Connector).

20. Remove the USB board (see Removing the USB Board).

21. Remove the fan (see Removing the Fan).

22. Remove the heat sink (see Removing the Heat Sink).

23. Remove the processor module (see Removing the Processor Module).

24. Remove the I/O board (see Removing the I/O Board).

25. Remove the TV antenna connector (see Removing the TV Antenna Connector).

26. Remove the system board (see Removing the System Board).

27. Remove the speakers (see Removing the Speakers).

Replacing the Top Cover

1. Follow the instructions in Before You Begin.

2. Replace the speakers (see Replacing the Speaker).

3. Replace the system board (see Replacing the System Board)

4. Replace the TV antenna connector (see Replacing the TV Antenna Connector).

5. Replace the I/O board (see Replacing the I/O Board).

6. Replace the processor module (see Replacing the Processor Module).

7. Replace the heat sink (see Replacing the Heat Sink).

8. Replace the fan (see Replacing the Fan).

9. Replace the AC-adapter connector (see Replacing the AC-Adapter Connector).

10. Replace the USB board (see Replacing the USB Board).

11. Route the subwoofer cable through the slot on the top cover.

12. Connect the subwoofer cable to the system-board connector.

13. Align the tabs on the top cover with the slots on the base cover and snap the top-cover assembly onto the base cover.

14. Replace the ten screws that secure the top-cover assembly to the base cover.

15. Turn the computer over and replace the ten screws that secure the top-cover assembly to the base cover.

16. Replace the Bluetooth-card (see Replacing the Bluetooth Card).

17. Replace the Mini-Card(s) (see Replacing the Mini-Card(s)).

18. Replace the display assembly (see Replacing the Display Assembly).

19. Replace the keyboard (see Replacing the Keyboard).

20. Replace the palm-rest assembly (see Replacing the Palm-Rest Assembly).

21. Replace the optical drive (see Replacing the Optical Drive).

22. Follow the instructions in step 5 in Replacing the Hard Drive(s).

23. Replace the memory module(s) (see Replacing the Memory Module(s)).

24. Replace the module cover (see Replacing the Module Cover).

25. Replace any blank or card you removed from the Media Card Reader slot.

26. Replace the battery (see Replacing the Battery).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

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Antenna-In Connector

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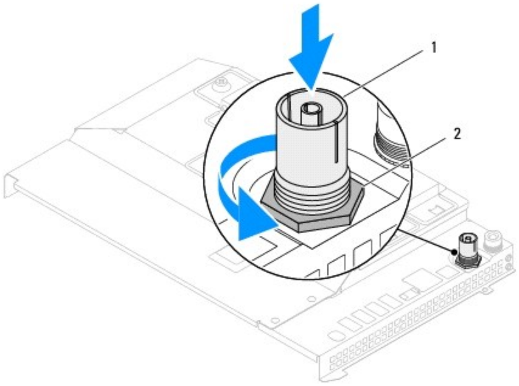
WARNING: **Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.**

CAUTION: **Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.**

CAUTION: **To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).**

Removing the Antenna-In Connector

1. Follow the instructions in Before You Begin.
2. Remove the back cover (see Removing the Back Cover).
3. Follow the instructions from step 2 to step 5 in Removing the Front Stand.
4. Follow the instructions from step 4 to step 8 in Removing the System-Board Shield.
5. Remove the hex nut that secures the antenna-in connector to the system-board shield.
6. Release the antenna-in connector from the slot on the system-board shield.
7. Lift the antenna-in connector along with its cable away from the system-board shield.



1	antenna-in connector	2	hex nut

Replacing the Antenna-In Connector

1. Follow the instructions in Before You Begin.
2. Slide the antenna-in connector into the slot on the system-board shield.
3. Replace the hex nut that secures the antenna-in connector to the system-board shield.
4. Follow the instructions from step 4 to step 8 in Replacing the System-Board Shield.
5. Follow the instructions from step 4 to step 5 in Replacing the Front Stand.

6. Replace the back cover (see Replacing the Back Cover).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

7. Connect your computer and all attached devices to electrical outlets, and turn them on.

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Wireless Antenna

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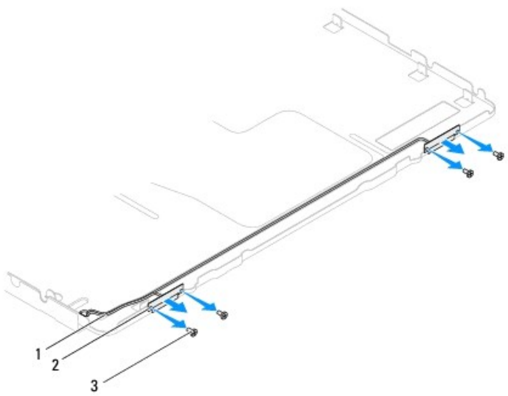
WARNING: Before working inside your computer, read the safety information that shipped with your computer. For additional safety best practices information, see the Regulatory Compliance Homepage at www.dell.com/regulatory_compliance.

CAUTION: Only a certified service technician should perform repairs on your computer. Damage due to servicing that is not authorized by Dell™ is not covered by your warranty.

CAUTION: To avoid electrostatic discharge, ground yourself by using a wrist grounding strap or by periodically touching an unpainted metal surface (such as a connector on your computer).

Removing the Wireless Antenna

1. Follow the instructions in Before You Begin.
2. Remove the display panel (see Removing the Display Panel).
3. Remove the four screws (two on each wireless antenna) that secure the wireless antenna to the chassis.
4. Make a note of the wireless antenna cables routing on the chassis and remove the cables from the chassis.
5. Lift the wireless antenna along with its cables away from the chassis.



1	wireless antenna cables	2	wireless antenna (2)
3	screws (4)		

Replacing the Wireless Antenna

1. Follow the instructions in Before You Begin.
2. Route the wireless antenna cables on the chassis.
3. Align the screw holes on the wireless antenna with the screw holes on the chassis.
4. Replace the four screws (two on each wireless antenna) that secure the wireless antenna to the chassis.
5. Replace the display panel (see Removing the Display Panel).

CAUTION: Before turning on the computer, replace all screws and ensure that no stray screws remain inside the computer. Failure to do so may result in damage to the computer.

6. Connect your computer and all attached devices to electrical outlets, and turn them on.

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